

The Fifth Plot of the Carcinogenic Potency Database: Results of Animal Bioassays Published in the General Literature through 1988 and by the National Toxicology Program through 1989

by Lois Swirsky Gold,^{1,2} Neela B. Manley,² Thomas H. Slone,^{1,2} Georganne Backman Garfinkel,² Lars Rohrbach,¹ and Bruce N. Ames²

This paper is the fifth plot of the Carcinogenic Potency Database (CPDB) that first appeared in this journal in 1984 (1-5). We report here results of carcinogenesis bioassays published in the general literature between January 1987 and December 1988, and in technical reports of the National Toxicology Program between July 1987 and December 1989. This supplement includes results of 412 long-term, chronic experiments of 147 test compounds and reports the same information about each experiment in the same plot format as the earlier papers: the species and strain of test animal, the route and duration of compound administration, dose level and other aspects of experimental protocol, histopathology and tumor incidence, TD₅₀ (carcinogenic potency) and its statistical significance, dose response, author's opinion about carcinogenicity, and literature citation. We refer the reader to the 1984 publications (1,5,6) for a guide to the plot of the database, a complete description of the numerical index of carcinogenic potency, and a discussion of the sources of data, the rationale for the inclusion of particular experiments and particular target sites, and the conventions adopted in summarizing the literature. The five plots of the database are to be used together, as results of individual experiments that were published earlier are not repeated. In all, the five plots include results of 4487 experiments on 1136 chemicals.

Several analyses based on the CPDB that were published earlier are described briefly, and updated results based on all five plots are given for the following earlier analyses: the most potent TD₅₀ value by species, reproducibility of bioassay results, positivity rates, and prediction between species. A new feature of this supplement is that Appendix 14 now provides a summary compendium of positivity and potency, as well as an index to all chemicals in the five plots of the CPDB. It provides the following summary data for each chemical: (a) whether it has been tested in each sex of rats and mice, and positivity results in each group; (b) for positive chemicals, a summary of carcinogenic potency for rats and for mice; (c) an index to the CPDB sorted by chemical name that reports synonyms, CAS number, and the plot numbers that include experiments on the chemical. For readers using the CPDB more extensively, a combined plot of all results from the five separate plot papers, ordered alphabetically by chemical is available from the first author in printed form or on computer tape or diskette. A SAS database is also available.

Background

The Carcinogenic Potency Database (CPDB) is a widely used, standardized resource of results of chronic, long-term carcinogenesis bioassays. The CPDB has been published in plot format in this and four earlier papers. To facilitate its use by other

researchers, we have prepared a printed version of a combined plot that merges results from all five plots organized by chemical, as well as a computer-readable (SAS) database. These are obtainable from the first author.

In this paper we *a)* briefly describe the CPDB and the plot included in this fourth supplement; *b)* refer the reader to our earlier papers; *c)* update some of the earlier published findings using results from all five plots; and *d)* report errata to earlier papers.

Our goal in developing the CPDB over the past 12 years has been to provide a single, standardized and easily accessible resource that includes sufficient information on each experiment to permit investigations in many research areas of carcinogenesis. Therefore, the CPDB provides both qualitative and

¹Cell and Molecular Biology Division, Lawrence Berkeley Laboratory, Berkeley, CA 94720.

²Division of Biochemistry and Molecular Biology, University of California, Berkeley, CA 94720.

Address reprint requests to L. S. Gold, Cell and Molecular Biology Division, Lawrence Berkeley Laboratory, Berkeley, CA 94720.

quantitative information on positive and negative tests (1–4), including for each experiment, the species, strain, and sex of test animal; features of experimental protocol such as route of administration, duration of dosing, dose level(s) in mg/kg body weight/day, and duration of experiment; histopathology and tumor incidence; carcinogenic potency and its statistical significance; shape of the dose-response curve; author's opinion as to carcinogenicity; and literature citation. All experiments in the CPDB meet a specific set of inclusion criteria that are designed to permit the estimation of carcinogenic potency; therefore, reasonable consistency of experimental protocols is assured. Rodent bioassays are included in the database only if the test agent was administered alone, rather than in combination with other substances; if the bioassay included a control group; if the route of administration was diet, water, gavage, inhalation, IV injection or IP injection; and if the length of experiment was at least 1 year with dosing for at least 6 months. Many cancer tests do not meet these rules and are not included, e.g., if route of administration was skin painting or SC injection, or if dosing was not chronic. We do not evaluate whether the results in each experiment provide evidence for carcinogenicity; rather, we report the published opinions of the investigators and the statistical significance of the dose response. The CPDB includes results of all NCI/NTP technical reports published through 1989, with a few exceptions where the chemicals were particulates or the route of administration was skin painting.

A detailed guide to the plot of the database was included in the first published plot in 1984 (1); it described the contents, field by field, and discussed the sources of data, the criteria for the inclusion of particular experiments and particular target sites, and the conventions adopted in summarizing the literature. It is our intention that readers who are not familiar with the CPDB will first read the 1984 paper when using the plot in this paper.

The TD_{50} , our numerical index of carcinogenic potency, has been fully described (1,5,6) and may be briefly defined as follows: For a given target site(s), if there are no tumors in control animals, then TD_{50} is the chronic dose rate in mg/kg body weight/day that would induce tumors in half the test animals at the end of a standard lifespan for the species. Because the tumor(s) of interest often does occur in control animals, TD_{50} is more precisely defined as the chronic dose rate that will halve the probability of remaining tumor-free throughout the standard life span. One reason for choosing TD_{50} is that it is easy to understand the concept, particularly because of the analogy to LD_{50} . Importantly, TD_{50} is often within the range of doses tested; thus the experimental results do not have to be extrapolated far to estimate TD_{50} . The TD_{50} does not indicate anything about carcinogenic effects at low doses because carcinogenesis bioassays are generally conducted at doses at or near the maximum tolerated dose (MTD). In the CPDB, the range of statistically significant TD_{50} values for chemicals that are carcinogenic in rodents is more than 10 millionfold (1).

A new compendium has been prepared for this paper in Appendix 14, which includes summary evaluations of positivity and carcinogenic potency in rats and mice for each chemical in all five plots of the CPDB. This tabulation can be used to investigate associations between rodent potency and other factors such as mutagenicity, teratogenicity, chemical structure, and human, exposure, as well as to obtain summary information on individual

compounds. Methods are described in Appendix 14, and are the same as were used in our earlier publication (7). Appendix 14 lists alphabetically the 1136 chemicals that appear in any of the five plots and indicates which plot includes results of experiments on each chemical. It also lists CAS (Chemical Abstracts Service registry) numbers and common synonyms. In this Appendix 14, four columns have been added that summarize for each chemical whether there are tests in the CPDB in male rats, female rats, male mice, and female mice; for each group we report the strongest level of evidence for carcinogenicity as defined by the opinion of the published author. For chemicals that are classified as positive, two columns report the most potent TD_{50} value in each species that has a positive test in the CPDB. Several footnotes in Appendix 14 give additional information about individual chemicals: e.g., that there is more than one positive test in the species (footnote a); that the TD_{50} values from different positive experiments of the chemical vary by more than 10-fold from one another (footnote f); and that the CPDB includes results in a species other than rats or mice and at least one test is positive (footnote g) or that none are positive (footnote h).

In each of the five plot papers, Appendices 1–13 are in the same format and provide information for the data in that publication. In this paper, Appendices 1–13 apply only to the plot presented here. Appendix 1 lists alphabetically the compounds included in the current plot, their common synonyms, and Chemical Abstracts Service (CAS) registry number; Appendix 2 provides a list of those same compounds ordered by CAS number. The next several appendices provide codes and definitions required for using the plot: strains of test animal (Appendix 3); routes of administration (Appendix 4); sites of tumor induction (Appendix 5); histopathology (Appendix 6); notecodes (Appendix 7); dose-response curve symbols (Appendix 8); reference codes (Appendix 9); NCI/NTP bioassays evaluated as inadequate (Appendix 10); and author's opinion codes (Appendix 11). Appendices 12 and 13 give full bibliographic information for all experiments reported in this plot: a bibliography for the general literature (Appendix 12); and a list of the NTP technical reports (Appendix 13).

Plot in this Supplement

This fifth plot of the CPDB includes results of 412 long-term, chronic experiments on 147 chemicals. It reports results for 47 compounds from technical reports of the NTP published between July 1987 and December 1989, and results for 101 compounds published in the general literature between January 1987 and December 1988. Experiments in rats, mice, and hamsters are reported here for compounds representing a variety of chemical classes and a variety of uses. Some are naturally occurring substances (e.g., catechol, 8-methoxypsoralen, and malonaldehyde); food additives (e.g., potassium bromate and geranyl acetate); industrial chemicals (e.g., 1,3 butadiene, styrene, and pentachlorophenol); and drugs (e.g., ciprofibrate, salbutamol, and diphenhydramine • HCl). Sixty-four of the 147 chemicals in this plot were also included in an earlier plot, and we have flagged these names in this plot with a triple asterisk (***). For some substances, only a few experiments are reported here, but several experiments were reported in earlier plots (e.g., benzene and formaldehyde). The TD_{50} values for the compounds in this plot fall within the 10 million-fold range reported earlier.

Overview and Update of Our Papers That Use the CPDB

The CPDB is exhaustive in that it includes all published tests that meet a set of experimental criteria. There is great diversity in the testing of chemicals reported in the database; while most chemicals have been tested in rats or mice, some have been tested in hamsters, dogs, or monkeys. Experiments with 101 different mouse strains and 74 rat strains are included. For a given chemical, the database may contain only a single experiment or several experiments. For example, among the 857 chemicals tested in rats, 29% have only one rat test and 53% have two tests; however, 15 chemicals have more than 10 tests.

Our group has used the CPDB to address many issues relevant to chemical carcinogenesis and interspecies extrapolation. Below we refer the reader to the appropriate papers. Additionally, because the CPDB now includes many more tests and chemicals than were used in the earlier papers, we have updated several of the original tables from our earlier analyses. Specifically, updated results are reported for the proportion of chemicals that are positive for several datasets, the association between mutagenicity and carcinogenicity, prediction of positivity between species, reproducibility of results in "near-replicate" experiments, carcinogen identification on the basis of two versus four sex-species groups. In each case, the updated findings are similar to those reported earlier, and we refer the reader to the earlier papers for methods and discussion.

Carcinogenic Potency (TD₅₀)

With respect to the measurement of carcinogenic potency, two methods for estimating TD₅₀ from animal bioassays were compared, one based on lifetable data and one based on summary incidence data (8). There is substantial agreement between these two methods of analysis. Second, we have shown that the potency calculated from experimental results (given the usual experimental design and the lack of 100% tumor incidence in dosed animals) is restricted to an approximately 30-fold range surrounding the maximum dose tested in a standard bioassay (9). Third, correlation studies have been conducted of carcinogenic potency between rats and mice (9) and of mutagenic and carcinogenic potencies (10). Fourth, we have shown that, with few exceptions, among chemicals that are positive in more than one test in a species, the most potent TD₅₀ value from among all positive tests is similar to other measures that average TD₅₀ values [harmonic mean, geometric mean, or arithmetic mean] (7). Using the most potent TD₅₀ in rats and in mice, we presented a concise tabulation of TD₅₀ values for positive chemicals, which also includes a summary of positivity in each sex-species group (7). These results are updated in Appendix 14 of this paper and include results for all five plots of the CPDB.

In addition to positivity and potency, other bioassay measures of carcinogenic hazard that we have investigated are whether tumors were induced at more than one site, whether tumors may have caused the death of the animal or instead were found at sacrifice, and whether metastases of induced tumors occurred (11,12).

Reproducibility

Reproducibility of results in animal bioassays has been investigated in "near-replicate" comparisons consisting of two or

more tests of the same chemical administered by the same route and using the same sex and strain of rodent (13). The updated results continue to show good reproducibility. Among 132 comparisons 86% (114/132) have concordant authors' opinions about whether tumors were induced in the individual experiments. In all but 3 of the 69 positive comparisons, at least 1 target site is identical. TD₅₀ values are within a factor of 2 of each other in 51% of the positive comparisons, within a factor of 4 in 77%, and within a factor of 10 in 91%.

Positivity

In several papers we have shown that approximately half the chemicals tested in rats or mice are positive in at least one test, according to the opinion of the published author. Using all data currently in the CPDB, positivity rates are reported in Table 1 separately for chemicals tested in NCI/NTP bioassays, in the general literature, and in either of these sources. Table 2 reports a similar positivity rate for several additional subsets of the CPDB: naturally occurring chemicals, synthetic chemicals, natural pesticides, mold toxins, and chemicals in roasted coffee. We have discussed why it is unlikely that the 50% positivity rate is due simply to selection of suspicious chemical structures (14-16), and show in Table 2 that this rate is similar for chemicals tested before 1979 by NCI and those tested later by NCI/NTP.

Mitogenesis

We have postulated that the high positivity rate is to be expected because the administration of chemicals at the maximum

Table 1. Proportion of CPDB chemicals tested in at least one species that have been evaluated as carcinogenic, by species and reference source.^a

| Reference source | Proportion carcinogenic in rats or mice (%) | Proportion carcinogenic in rats (%) | Proportion carcinogenic in mice (%) |
|------------------------------------|---|-------------------------------------|-------------------------------------|
| NCI/NTP or literature ^b | 584/1117 (52%) | 424/857 (49%) | 324/745 (43%) |
| NCI/NTP | 165/315 (52%) | 119/303 (39%) | 121/308 (39%) |
| Literature | 448/894 (50%) | 321/608 (53%) | 216/498 (43%) |

^aA chemical is classified as positive if the author of at least one published experiment has evaluated the compound as carcinogenic in that species.

^bThe number of chemicals in the "NCI/NTP or literature" is smaller than the sum of each source separately because some of the chemicals have been reported by both sources.

Table 2. Proportion of chemicals evaluated as carcinogenic for several datasets in the CPDB.^a

| | |
|--|---------------|
| Chemicals tested in both rats and mice | 288/479 (60%) |
| Naturally occurring chemicals tested in both rats and mice | 56/101 (55%) |
| Synthetic chemicals tested in both rats and mice | 232/378 (61%) |
| NCI/NTP chemicals ^b | |
| NCI/NTP chemicals tested before 1979 | 60/117 (51%) |
| NCI/NTP chemicals tested after 1979 | 105/198 (53%) |
| Chemicals tested in at least 1 species | |
| Natural pesticides | 29/57 (51%) |
| Mold toxins | 12/20 (60%) |
| Chemicals in roasted coffee | 19/26 (73%) |

^aA chemical is classified as positive if the author of at least one published experiment evaluated results as evidence that the compound is carcinogenic.

^b94% (296/315) are tested by NCI/NTP in both rats and mice.

tolerated dose (MTD) in standard animal cancer tests increases cell division (mitogenesis), which in turn increases rates of mutagenesis and thus carcinogenesis (15,17). The high rate of endogenous DNA damage contributes to the importance of mitogenesis. A variety of studies on mechanisms of carcinogenesis are consistent with this explanation (17-19). We conclude that at the low doses of most human exposures where cell killing does not occur, the hazards to humans of rodent carcinogens may be much lower than is commonly assumed. Thus, understanding the role of mitogenesis in mutagenesis is critical for clarifying the mechanisms of carcinogenesis and interpreting the results of animal cancer tests (15,17-19).

Mutagenicity

We have also examined mutagenicity rates in the CPDB (14-16) and have updated the results in Table 3. Of the 384 chemicals tested in both rats and mice and for which mutagenicity data in *Salmonella* are available, 72% are either mutagens or carcinogens or both. Overall, mutagens are more often carcinogenic than nonmutagens; however 45% of carcinogens tested in rats and mice are not mutagenic, suggesting the importance of mitogenesis in animal tests at the MTD.

Interspecies Extrapolation

The issue of extrapolating carcinogenesis results from one species to another has been addressed in analyses of prediction between two closely related species, rats and mice (12,14). We have examined how well one can predict carcinogenicity from rats to mice and from mice to rats. The updated results in Table 4 indicate that among chemicals tested in both species, 74% of rat carcinogens are positive in mice, and 72% of mouse carcino-

Table 3. Comparison of mutagenicity and carcinogenicity for 384 CPDB chemicals tested for carcinogenicity in both rats and mice and for mutagenicity in *Salmonella*.^a

| | | Carcinogenic | | Total |
|-----------|---|------------------|------------------|------------------|
| | | + | - | |
| Mutagenic | + | 131 | 38 | 169 ^b |
| | - | 106 | 109 | 215 |
| Total | | 237 ^c | 147 ^d | 384 ^e |

^aA chemical is classified as positive if the author of at least one published experiment evaluated the results as evidence that the compound is carcinogenic. Mutagens are more likely to be carcinogenic 78% (131/169) than nonmutagens 49% (106/215).

^bOf 169 mutagens, 22% are not carcinogenic 38/(131 + 38).

^cOf 237 carcinogens, 45% are not mutagens 106/(131 + 106).

^dOf 147 noncarcinogens, 26% are mutagens 38/(38 + 109).

^eOf 384 chemicals, 44% are mutagens, 62% are carcinogens, and 72% are either mutagens or carcinogens or both (131 + 106 + 38)/384.

Table 4. Comparison of carcinogenic response in rats and mice for 479 CPDB chemicals tested in both species.

| | | Rats | | Total |
|-------|---|------------------|-----|------------------|
| | | + | - | |
| Mice | + | 165 | 64 | 229 ^a |
| | - | 59 | 191 | 250 |
| Total | | 224 ^b | 255 | 479 ^c |

^aOf 229 mouse carcinogens, 72% are rat carcinogens 165/(165 + 64).

^bOf 224 rat carcinogens, 74% are mouse carcinogens 165/(165 + 59).

^cOf 479 chemicals, 60% are positive in at least one test (165 + 59 + 64)/479.

Table 5. Predictive value of two sex-species groups for CPDB carcinogens tested in both sexes of rats and mice.^a

| Sex-species groups used to identify carcinogens | NCI/NTP or literature experiments | NCI/NTP experiments |
|---|--|--|
| | Number identified as carcinogenic at least once (N=212) ^{b,c} | Number identified as carcinogenic at least once (N=149) ^c |
| MM, MR | 194 (92%) | 135 (91%) |
| FM, MR | 194 (92%) | 136 (91%) |
| MM, FR | 183 (86%) | 122 (82%) |
| FM, FR | 184 (87%) | 124 (83%) |
| FM, MM | 167 (79%) | 112 (75%) |
| FR, MR | 162 (76%) | 112 (75%) |

Abbreviations: FM, female mice, MM, male mice, FR, female rats, MR, male rats.

^aFor chemicals tested in both sexes of rats and mice that were evaluated as carcinogenic in at least one experiment.

^bThe total number of positive chemicals for "NCI/NTP or literature" in this table is 212, while the number in Table 4 is 288. This difference is due to the fact that 76 positive chemicals were tested in both rats and mice, but not in both sexes of rats and mice.

^cPercentage indicates the proportion that would be correctly identified as carcinogens using results from experiments only in the two sex-species groups, considering as positive an evaluation of carcinogenic in either sex-species group.

gens are positive in rats. We earlier discussed three factors that affect the accuracy of prediction: chemical class, mutagenicity, and the dose level at which a chemical is toxic (14).

Target Organ

We have presented a compendium of bioassay results organized by target organ for chemicals that are carcinogenic in at least one species. This compendium reports on 35 target sites and can be used to identify chemicals that induce tumors at particular sites and to determine whether target sites are the same for each chemical that is positive in more than one species (12). Site-specific prediction between rats and mice is less accurate than overall prediction of positivity. Knowing that a chemical is positive at any site in one species gives about a 50% chance that it will be positive at the same site in the other species. Among chemicals with a target site in common between rats and mice, the liver is the most frequent site in common (12). Because the liver is the most common site in both species, we have studied liver carcinogenesis in detail (11,12,14).

Carcinogen Identification by Two Versus Four Sex-Species Groups

We have also addressed the question of how many rodent carcinogens currently identified by performing tests in four sex-species groups would be identified if tests were conducted in only two sex-species groups. The updated results in Table 5 continue to show that few carcinogens would be missed by testing one sex of each species. The greatest number (91-92%) would have been identified by conducting tests only in male rats and male mice/or in male rats and female mice.

Chemicals Selected for Testing

The natural world makes up the vast bulk of chemicals that humans consume each day in both weight and number. Yet, the natural chemicals have never been tested systematically; synthetic chemicals account for 79% (378/479) of the chemicals adequately tested in both rats and mice (Table 2). Because about half

REFERENCES

1. Gold, L. S., Sawyer, C. B., Magaw, R., Backman, G. M., de Veciana, M., Levinson, R., Hooper, N. K., Havender, W. R., Bernstein, L., Peto, R., Pike, M. C., and Ames, B. N. A Carcinogenic Potency Database of the standardized results of animal bioassays. *Environ. Health Perspect.* 58: 9-319 (1984).
2. Gold, L. S., de Veciana, M., Backman, G. M., Magaw, R., Lopipero, P., Smith, M., Blumenthal, M., Levinson, R., Bernstein, L., and Ames, B. N. Chronological supplement to the Carcinogenic Potency Database: standardized results of animal bioassays published through December 1982. *Environ. Health Perspect.* 67: 161-200 (1986).
3. Gold, L. S., Slone, T. H., Backman, G. M., Magaw, R., Da Costa, M., Lopipero, P., Blumenthal, M., and Ames, B. N. Second chronological supplement to the Carcinogenic Potency Database: standardized results of animal bioassays published through December 1984 and by the National Toxicology Program through May 1986. *Environ. Health Perspect.* 74: 237-329 (1987).
4. Gold, L. S., Slone, T. H., Backman, G. M., Eisenberg, S., Da Costa, M., Wong, M., Manley, N. B., Rohrbach, L., and Ames, B. N. Third chronological supplement to the Carcinogenic Potency Database: standardized results of animal bioassays published through December 1986 and by the National Toxicology Program through June 1987. *Environ. Health Perspect.* 84: 215-286 (1990).
5. Peto, R., Pike, M. C., Bernstein, L., Gold, L. S., and Ames, B. N. The TD₅₀: a proposed general convention for the numerical description of the carcinogenic potency of chemicals in chronic-exposure animal experiments. *Environ. Health Perspect.* 58: 1-8 (1984).
6. Sawyer, C., Peto, R., Bernstein, L., and Pike, M. C. Calculation of carcinogenic potency from long-term animal carcinogenesis experiments. *Biometrics* 40: 27-40 (1984).
7. Gold, L. S., Slone, T. H., and Bernstein, L. Summary of carcinogenic potency (TD₅₀) and positivity for 492 rodent carcinogens in the Carcinogenic Potency Database. *Environ. Health Perspect.* 79:259-272 (1989).
8. Gold, L. S., Bernstein, L., Kaldor, J., Backman, G. M., and Hoel, D. An empirical comparison of methods used to estimate carcinogenic potency in long-term animal bioassays: lifetable vs. summary incidence data. *Fundam. Appl. Toxicol.* 6: 263-269 (1986).
9. Bernstein, L., Gold, L. S., Ames, B. N., Pike, M. C., and Hoel, D. Some tautologous aspects of the comparison of carcinogenic potency in rats and mice. *Fundam. Appl. Toxicol.* 5: 79-86 (1985).
10. McCann, J., Gold, L. S., Horn, L., McGill, R., Graedel, T. E., and Kaldor, J. Statistical analysis of Salmonella test data and comparison to results of animal cancer tests. *Mutat. Res.* 205: 183-195 (1988).
11. Gold, L. S., Ward, J., Bernstein, L., and Stern, B. Association between carcinogenic potency and tumor pathology in rodent carcinogenesis bioassays. *Fundam. Appl. Toxicol.* 6: 677-690 (1986).
12. Gold, L. S., Slone, T. H., Manley, N. B., and Bernstein, L. Target organs in chronic bioassays of 533 chemical carcinogens. *Environ. Health Perspect.* 93: 233-246 (1991).
13. Gold, L. S., Wright, C., Bernstein, L., and de Veciana, M. Reproducibility of results in 'near-replicate' carcinogenesis bioassays. *J. Natl. Cancer Inst.* 78: 1149-1158 (1987).
14. Gold, L. S., Bernstein, L., Magaw, R., and Slone, T. H. Interspecies extrapolation in carcinogenesis: prediction between rats and mice. *Environ. Health Perspect.* 81: 211-219 (1989).
15. Ames, B. N., and Gold, L. S. Perspective: too many rodent carcinogens: mitogenesis increases mutagenesis. *Science* 249: 970-971 (1990).
16. Ames, B. N., Profet, M., and Gold, L. S. Dietary pesticides (99.99% all natural). *Proc. Natl. Acad. Sci. U.S.A.* 87: 7777-7781 (1990).
17. Ames, B. N., and Gold, L. S. Chemical carcinogenesis: too many rodent carcinogens. *Proc. Natl. Acad. Sci. U.S.A.* 87: 7772-7776 (1990).
18. Ames, B. N., and Gold, L. S. Animal cancer tests and the prevention of cancer. *J. Natl. Cancer Inst. Monogr.* 12: 125-132 (1992).
19. Ames, B. N. Endogenous oxidative DNA damage, aging, and cancer. *Free Rad. Res. Commun.* 7: 121-128 (1989).
20. Ames, B. N., Profet, M., and Gold, L. S. Nature's chemicals and synthetic chemicals: comparative toxicology. *Proc. Natl. Acad. Sci. U.S.A.* 87: 7782-7786 (1990).
21. Ames, B. N., and Gold, L. S. Dietary carcinogens, environmental pollution, and cancer: some misconceptions. *Med. Oncol. Tumor Pharmacother.* 7: 69-85 (1990).
22. Gold, L. S., Slone, T. H., Stern, B. R., Manley, N. B., and Ames, B. N. Rodent carcinogens: setting priorities. *Science* 258: 261-265 (1992).
23. Gold, L. S., Backman, G. M., Hooper, K., and Peto, R. Ranking the potential carcinogenic hazards to workers from exposures to chemicals that are tumorigenic in rodents. *Environ. Health Perspect.* 76: 211-219 (1987).

Fifth Plot of the Carcinogenic Potency Database

Fifth Plot of the Carcinogenic Potency Database

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|---|--------|---------|---------|-----------|------|-------------------|
| Sex | Route | Hist | | | DR | Au08 |
| ACETALDEHYDE*** 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 1 | R f | wsr inh | nac mix | 12m24 erv | . | 148.mg * P<.0005+ |
| a | R f | wsr inh | nac adc | 12m24 erv | . | 201.mg * P<.0005+ |
| b | R f | wsr inh | nac sqc | 12m24 erv | . | 574.mg * P<.01 + |
| 2 | R m | wsr inh | nac mix | 12m24 erv | . | 88.5mg * P<.0005+ |
| a | R m | wsr inh | nac adc | 12m24 erv | . | 190.mg * P<.002 + |
| b | R m | wsr inh | nac sqc | 12m24 erv | . | 200.mg Z P<.0005+ |
| ACETALDOXIME 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 3 | R m | f34 wat | liv hnd | 26m30 e | . | 445.mg * P<.4 |
| a | R m | f34 wat | adr cca | 26m30 e | . | no dre P=1. |
| 2-ACETYLAMINOFLUORENE*** 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 4 | M f | b6c eat | liv hpb | 24m24 r | . | 846.mg * P<.06 + |
| 5 | M m | b6c eat | liv hpb | 24m24 r | . | 92.1mg * P<.004 + |
| 6 | M f | bcn eat | liv hpb | 24m24 r | . | 3.20gm * P<.5 - |
| 7 | M m | bcn eat | liv hpb | 24m24 r | . | no dre P=1. - |
| ACROLEIN 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 8 | R f | f34 wat | adr cca | 24m31 e | . | 93.9mg P<.07 |
| a | R f | f34 wat | liv mix | 24m31 e | . | 188.mg P<.4 |
| b | R f | f34 wat | liv hnd | 24m31 e | . | 388.mg P<.7 |
| c | R f | f34 wat | liv hpc | 24m31 e | . | 433.mg P<.3 |
| 9 | R m | f34 wat | for tum | 27m31 ae | . | 14.4mg Z P<.002 |
| a | R m | f34 wat | liv hpc | 27m31 ae | . | 1.32gm * P<.9 |
| b | R m | f34 wat | adr cca | 27m31 ae | . | no dre P=1. |
| c | R m | f34 wat | liv hnd | 27m31 ae | . | no dre P=1. |
| d | R m | f34 wat | liv mix | 27m31 ae | . | no dre P=1. |
| ACROLEIN DIETHYLACETAL 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 10 | R f | f34 wat | liv mix | 24m30 ae | . | 123.mg * P<.06 |
| a | R f | f34 wat | liv hnd | 24m30 ae | . | 131.mg * P<.06 |
| b | R f | f34 wat | adr cca | 24m30 ae | . | no dre P=1. |
| c | R f | f34 wat | liv hpc | 24m30 ae | . | no dre P=1. |
| 11 | R m | f34 wat | liv hpc | 24m30 ae | . | 262.mg * P<.1 |
| a | R m | f34 wat | liv mix | 24m30 ae | . | 124.mg * P<.2 |
| b | R m | f34 wat | liv hnd | 24m30 ae | . | 266.mg * P<.4 |
| c | R m | f34 wat | adr cca | 24m30 ae | . | no dre P=1. |
| ACROLEIN OXIME 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 12 | R f | f34 wat | liv hnd | 7m29 e | . | 41.9mg P<.3 |
| a | R f | f34 wat | adr cca | 7m29 e | . | no dre P=1. |
| 13 | R f | f34 wat | liv mix | 24m30 e | . | 27.1mg P<.03 |
| a | R f | f34 wat | liv hpc | 24m30 e | . | 104.mg P<.1 |
| b | R f | f34 wat | liv hnd | 24m30 e | . | 43.8mg P<.2 |
| c | R f | f34 wat | adr cca | 24m30 e | . | no dre P=1. |
| 14 | R m | f34 wat | liv mix | 7m29 e | . | 16.4mg P<.06 |
| a | R m | f34 wat | liv hpc | 7m29 e | . | 50.7mg P<.1 |
| b | R m | f34 wat | liv hnd | 7m29 e | . | 29.3mg P<.3 |
| c | R m | f34 wat | adr cca | 7m29 e | . | no dre P=1. |
| 15 | R m | f34 wat | liv hpc | 24m30 e | . | 72.6mg P<.1 |
| a | R m | f34 wat | liv mix | 24m30 e | . | 30.4mg P<.2 |
| b | R m | f34 wat | liv hnd | 24m30 e | . | 64.9mg P<.4 |
| c | R m | f34 wat | adr cca | 24m30 e | . | no dre P=1. |
| ACRYLONITRILE*** 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | |
| 16 | R m | cdr wat | zym sqc | 24m24 es | . | 30.1mg * P<.0005+ |
| a | R m | cdr wat | for pam | 24m24 s | . | 97.4mg * P<.003 |
| b | R m | cdr wat | pit ade | 24m24 es | . | no dre P=1. |
| c | R m | cdr wat | tba mal | 24m24 es | . | 31.3mg * P<.02 |
| 17 | R f | sda inh | adr phe | 12m24 | . | 1.49mg Z P<.02 |
| a | R f | sda inh | bra gli | 12m24 | . | 41.2mg * P<.2 + |
| b | R f | sda inh | liv hpt | 12m24 | . | no dre P=1. |
| c | R f | sda inh | tba mix | 12m24 | . | 2.09mg Z P<.3 |
| d | R f | sda inh | tba mal | 12m24 | . | no dre P=1. |
| 18 | R f | sda gav | liv hpt | 12m24 | . | no dre P=1. - |
| a | R f | sda gav | tba mix | 12m24 | . | 2.97mg P<.3 - |
| b | R f | sda gav | tba mal | 12m24 | . | no dre P=1. - |
| 19 | R f | sda inh | mam mix | 24m24 g | . | 11.7mg P<.003 |
| a | R f | sda inh | bra gli | 24m24 g | . | 132.mg P<.04 + |
| b | R f | sda inh | liv hpt | 24m24 g | . | no dre P=1. |
| c | R f | sda inh | tba mal | 24m24 g | . | 25.2mg P<.008 + |
| d | R f | sda inh | tba mix | 24m24 g | . | 10.6mg P<.02 |
| 20 | R m | sda inh | bra gli | 12m24 | . | 19.1mg * P<.04 + |
| a | R m | sda inh | liv hpt | 12m24 | . | no dre P=1. |
| b | R m | sda inh | tba mix | 12m24 | . | 1.30mg * P<.002 |
| c | R m | sda inh | tba mal | 12m24 | . | 1.43mg Z P<.04 |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | | | Brkly Code |
|--|--------|--------|--------|-------|--------|-------|---|-----------------------|---|-------|--|
| ACETALDEHYDE*** 75-07-0 | | | | | | | | | | | |
| 1 | 1863 | 85.3mg | 288.mg | 0/18 | 50.1mg | 1/20 | 100.mg | 7/18 | 149.mg | 11/17 | Woutersen;txcy,47,295-305;1987/1986/pers.comm. |
| a | 1863 | 110.mg | 439.mg | 0/18 | 50.1mg | 0/20 | 100.mg | 7/18 | 149.mg | 8/17 | |
| b | 1863 | 234.mg | 38.9gm | 0/18 | 50.1mg | 1/20 | 100.mg | 0/18 | 149.mg | 5/17 | |
| 2 | 1863 | 54.4mg | 157.mg | 0/19 | 35.1mg | 2/20 | 70.1mg | 8/20 | 104.mg | 15/22 | |
| a | 1863 | 102.mg | 710.mg | 0/19 | 35.1mg | 2/20 | 70.1mg | 6/20 | 104.mg | 6/22 | |
| b | 1863 | 105.mg | 463.mg | 0/19 | 35.1mg | 0/20 | 70.1mg | 2/20 | 104.mg | 11/22 | |
| ACETALDOXIME 107-29-9 | | | | | | | | | | | |
| 3 | 1853 | 100.mg | n.s.s. | 2/20 | 19.5mg | 3/20 | 50.3mg | 4/20 | Lijinsky;txih,3,337-345;1987/pers.comm. | | |
| a | 1853 | 323.mg | n.s.s. | 1/20 | 19.5mg | 1/20 | 50.3mg | 0/20 | | | |
| 2-ACETYLAMINOFLUORENE*** (N-2-fluorenylacamide) 53-96-3 | | | | | | | | | | | |
| 4 | 1874 | 345.mg | n.s.s. | 0/96 | 19.5mg | 2/96 | 26.0mg | 1/96 | 32.5mg | 3/96 | Nonoyama;pavt,25,286-296;1988/pers.comm. |
| 5 | 1874 | 50.6mg | 444.mg | 0/96 | 4.80mg | 4/96 | 7.20mg | 5/96 | 9.60mg | 6/96 | |
| 6 | 1874 | 521.mg | n.s.s. | 0/96 | 13.0mg | 0/96 | 16.2mg | 1/96 | 19.5mg | 0/96 | |
| 7 | 1874 | 25.9mg | n.s.s. | 1/96 | 2.40mg | 0/96 | 4.80mg | 0/96 | 7.20mg | 0/96 | |
| ACROLEIN 107-02-8 | | | | | | | | | | | |
| 8 | 1853 | 30.8mg | n.s.s. | 1/20 | 20.1mg | 5/20 | | | | | |
| a | 1853 | 39.2mg | n.s.s. | 2/20 | 20.1mg | 4/20 | Lijinsky;txih,3,337-345;1987/pers.comm. | | | | |
| b | 1853 | 48.5mg | n.s.s. | 2/20 | 20.1mg | 3/20 | | | | | |
| c | 1853 | 70.4mg | n.s.s. | 0/20 | 20.1mg | 1/20 | | | | | |
| 9 | 1853 | 7.36mg | 55.4mg | 0/20 | 2.64mg | 5/20 | 6.81mg | 7/20 | 14.1mg | 3/20 | |
| a | 1853 | 57.7mg | n.s.s. | 0/20 | 2.64mg | 2/20 | 6.81mg | 0/20 | 14.1mg | 1/20 | |
| b | 1853 | 128.mg | n.s.s. | 1/20 | 2.64mg | 1/20 | 6.81mg | 0/20 | 14.1mg | 0/20 | |
| c | 1853 | 64.1mg | n.s.s. | 2/20 | 2.64mg | 6/20 | 6.81mg | 0/20 | 14.1mg | 2/20 | |
| d | 1853 | 52.1mg | n.s.s. | 2/20 | 2.64mg | 8/20 | 6.81mg | 0/20 | 14.1mg | 3/20 | |
| ACROLEIN DIETHYLACETAL 3054-95-3 | | | | | | | | | | | |
| 10 | 1853 | 47.6mg | n.s.s. | 2/20 | 15.4mg | 5/20 | 39.5mg | 7/20 | Lijinsky;txih,3,337-345;1987/pers.comm. | | |
| a | 1853 | 50.7mg | n.s.s. | 2/20 | 15.4mg | 4/20 | 39.5mg | 7/20 | | | |
| b | 1853 | 129.mg | n.s.s. | 1/20 | 15.4mg | 3/20 | 39.5mg | 1/20 | | | |
| c | 1853 | 197.mg | n.s.s. | 0/20 | 15.4mg | 1/20 | 39.5mg | 0/20 | | | |
| 11 | 1853 | 79.3mg | n.s.s. | 0/20 | 10.8mg | 1/20 | 27.6mg | 2/20 | | | |
| a | 1853 | 42.6mg | n.s.s. | 2/20 | 10.8mg | 3/20 | 27.6mg | 6/20 | | | |
| b | 1853 | 60.9mg | n.s.s. | 2/20 | 10.8mg | 2/20 | 27.6mg | 4/20 | | | |
| c | 1853 | 49.9mg | n.s.s. | 1/20 | 10.8mg | 0/20 | 27.6mg | 0/20 | | | |
| ACROLEIN OXIME 5314-33-0 | | | | | | | | | | | |
| 12 | 1853m | 11.3mg | n.s.s. | 2/20 | 7.96mg | 5/20 | Lijinsky;txih,3,337-345;1987/pers.comm. | | | | |
| a | 1853m | 45.9mg | n.s.s. | 1/20 | 7.96mg | 0/20 | | | | | |
| 13 | 1853n | 10.4mg | n.s.s. | 2/20 | 10.4mg | 8/20 | | | | | |
| a | 1853n | 25.7mg | n.s.s. | 0/20 | 10.4mg | 2/20 | | | | | |
| b | 1853n | 13.8mg | n.s.s. | 2/20 | 10.4mg | 6/20 | | | | | |
| c | 1853n | 66.2mg | n.s.s. | 1/20 | 10.4mg | 0/20 | | | | | |
| 14 | 1853m | 5.80mg | n.s.s. | 2/20 | 5.57mg | 7/20 | | | | | |
| a | 1853m | 12.5mg | n.s.s. | 0/20 | 5.57mg | 2/20 | | | | | |
| b | 1853m | 7.88mg | n.s.s. | 2/20 | 5.57mg | 5/20 | | | | | |
| c | 1853m | 19.2mg | n.s.s. | 1/20 | 5.57mg | 1/20 | | | | | |
| 15 | 1853n | 17.8mg | n.s.s. | 0/20 | 7.37mg | 2/20 | | | | | |
| a | 1853n | 9.61mg | n.s.s. | 2/20 | 7.37mg | 6/20 | | | | | |
| b | 1853n | 13.5mg | n.s.s. | 2/20 | 7.37mg | 4/20 | | | | | |
| c | 1853n | 46.0mg | n.s.s. | 1/20 | 7.37mg | 0/20 | | | | | |
| ACRYLONITRILE*** 107-13-1 | | | | | | | | | | | |
| 16 | 1881 | 14.5mg | 77.9mg | 0/18 | 1.00mg | 0/20 | 5.00mg | 1/19 | 25.0mg | 9/18 | Gallagher;jact,7,603-615;1988 |
| a | 1881 | 33.6mg | 591.mg | 0/20 | 1.00mg | 0/20 | 5.00mg | 0/20 | 25.0mg | 4/20 | |
| b | 1881 | 15.4mg | n.s.s. | 5/18 | 1.00mg | 3/20 | 5.00mg | 1/19 | 25.0mg | 0/18 | |
| c | 1881 | 12.6mg | n.s.s. | 3/18 | 1.00mg | 1/20 | 5.00mg | 8/20 | 25.0mg | 8/18 | |
| 17 | bt201 | .679mg | n.s.s. | 1/30 | .271mg | 5/30 | .542mg | 7/30 | 1.08mg | 2/30 | 2.17mg 0/30 |
| a | bt201 | 10.1mg | n.s.s. | 0/30 | .271mg | 0/30 | .542mg | 0/30 | 1.08mg | 1/30 | 2.17mg 1/30 |
| b | bt201 | .893mg | n.s.s. | 0/30 | .271mg | 0/30 | .542mg | 0/30 | 1.08mg | 0/30 | 2.17mg 0/30 |
| c | bt201 | .623mg | n.s.s. | 9/30 | .271mg | 23/30 | .542mg | 15/30 | 1.08mg | 17/30 | 2.17mg 10/30 |
| d | bt201 | 4.00mg | n.s.s. | 3/30 | .271mg | 12/30 | .542mg | 6/30 | 1.08mg | 7/30 | 2.17mg 6/30 |
| 18 | bt203 | 8.83mg | n.s.s. | 0/75 | 1.07mg | 0/40 | | | | | |
| a | bt203 | .782mg | n.s.s. | 39/75 | 1.07mg | 25/40 | | | | | |
| b | bt203 | 2.33mg | n.s.s. | 17/75 | 1.07mg | 9/40 | | | | | |
| 19 | bt4003 | 5.82mg | 75.7mg | 24/60 | 11.1mg | 37/54 | | | | | |
| a | bt4003 | 40.1mg | n.s.s. | 0/60 | 11.1mg | 3/54 | | | | | |
| b | bt4003 | 123.mg | n.s.s. | 0/60 | 11.1mg | 0/54 | | | | | |
| c | bt4003 | 11.7mg | 495.mg | 9/60 | 11.1mg | 20/54 | | | | | |
| d | bt4003 | 4.69mg | n.s.s. | 35/60 | 11.1mg | 43/54 | | | | | |
| 20 | bt201 | 5.77mg | n.s.s. | 0/30 | .190mg | 0/30 | .379mg | 0/30 | .759mg | 1/30 | 1.52mg 2/30 |
| a | bt201 | .625mg | n.s.s. | 0/30 | .190mg | 0/30 | .379mg | 0/30 | .759mg | 0/30 | 1.52mg 0/30 |
| b | bt201 | .674mg | 6.77mg | 8/30 | .190mg | 7/30 | .379mg | 19/30 | .759mg | 15/30 | 1.52mg 19/30 |
| c | bt201 | .565mg | n.s.s. | 3/30 | .190mg | 0/30 | .379mg | 10/30 | .759mg | 9/30 | 1.52mg 10/30 |

| Spe | Strain | Site | Xpo+Xpt | | | | TD50 | 2Tailpvl |
|---|--------|---------|---------|----------|---|----|---|----------|
| Sex | Route | Hist | Notes | | | | DR | AuOp |
| 21 | R m | sda gav | liv hpt | 12m24 | . | > | no dre | P=1. - |
| a | R m | sda gav | tba mix | 12m24 | . | | 5.59mg | P<.3 - |
| b | R m | sda gav | tba mal | 12m24 | . | | 33.4mg | P<.8 - |
| AFLATOXIN B1*** | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 22 | R f | f34 eat | liv hpc | 24m24 er | . | ± | 52.7ug * | P<.06 - |
| 23 | R m | f34 eat | liv hpc | 24m24 er | . | > | 49.9ug * | P<.3 - |
| ALLYL ALCOHOL | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 24 | R f | f34 wat | liv hpc | 25m29 e | . | ± | 64.2mg | P<.04 |
| a | R f | f34 wat | liv mix | 25m29 e | . | | 41.5mg | P<.2 |
| b | R f | f34 wat | liv hnd | 25m29 e | . | | 182.mg | P<.7 |
| c | R f | f34 wat | adr cca | 25m29 e | . | | no dre | P=1. |
| 25 | R m | f34 wat | liv mix | 25m29 e | . | > | 128.mg | P<.7 |
| a | R m | f34 wat | liv hpc | 25m29 e | . | | 142.mg | P<.3 |
| b | R m | f34 wat | liv hnd | 25m29 e | . | | no dre | P=1. |
| c | R m | f34 wat | adr cca | 25m29 e | . | | no dre | P=1. |
| 2-AMINO-3,8-DIMETHYLIMIDAZO[4,5-f]QUINOXALINE | | | | | | |10.....100.....1mg.....10.....100.....1g.....10 | |
| 26 | M f | cdf eat | liv mix | 84w84 e | . | + | 14.2mg | P<.0005+ |
| a | M f | cdf eat | liv hpa | 84w84 e | . | | 14.2mg | P<.0005 |
| b | M f | cdf eat | liv hpc | 84w84 e | . | | 27.8mg | P<.0005 |
| c | M f | cdf eat | lun mix | 84w84 e | . | | 77.2mg | P<.002 + |
| d | M f | cdf eat | lun ade | 84w84 e | . | | 143.mg | P<.02 |
| e | M f | cdf eat | lun adc | 84w84 e | . | | 257.mg | P<.1 |
| f | M f | cdf eat | --- mix | 84w84 e | . | | 6.82gm | P<.1 |
| 27 | M m | cdf eat | liv hpa | 84w84 e | . | + | 86.9mg | P<.01 |
| a | M m | cdf eat | liv hpc | 84w84 e | . | | 102.mg | P<.0005 |
| b | M m | cdf eat | --- mix | 84w84 e | . | | 109.mg | P<.006 |
| c | M m | cdf eat | liv mix | 84w84 e | . | | 83.8mg | P<.02 + |
| d | M m | cdf eat | lun mix | 84w84 e | . | | 134.mg | P<.2 |
| e | M m | cdf eat | lun adc | 84w84 e | . | | 236.mg | P<.4 |
| f | M m | cdf eat | lun ade | 84w84 e | . | | 262.mg | P<.2 |
| 28 | R f | f3d eat | cli sqc | 61w61 e | . | + | 4.72mg | P<.0005+ |
| a | R f | f3d eat | liv nnd | 61w61 e | . | | 6.31mg | P<.0005+ |
| b | R f | f3d eat | zym sqc | 61w61 e | . | | 6.31mg | P<.0005+ |
| c | R f | f3d eat | ski sqc | 61w61 e | . | | 87.2mg | P<.3 |
| 29 | R m | f3d eat | liv mix | 61w61 e | . | <+ | noTD50 | P<.0005+ |
| a | R m | f3d eat | liv hpc | 61w61 e | . | | 1.26mg | P<.0005+ |
| b | R m | f3d eat | zym mix | 61w61 e | . | | 2.72mg | P<.0005+ |
| c | R m | f3d eat | zym sqc | 61w61 e | . | | 3.59mg | P<.0005+ |
| d | R m | f3d eat | ski mix | 61w61 e | . | | 8.76mg | P<.002 + |
| e | R m | f3d eat | ski sqc | 61w61 e | . | | 13.1mg | P<.008 + |
| f | R m | f3d eat | zym sqp | 61w61 e | . | | 35.8mg | P<.1 |
| g | R m | f3d eat | ski sqp | 61w61 e | . | | 73.5mg | P<.3 |
| h | R m | f3d eat | ski bcc | 61w61 e | . | | 73.5mg | P<.3 |
| i | R m | f3d eat | liv nnd | 61w61 e | . | | 73.5mg | P<.3 |
| 2-AMINO-4-NITROPHENOL | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 30 | M f | b6c gav | TBA MXB | 24m24 | . | > | no dre | P=1. - |
| a | M f | b6c gav | liv MXB | 24m24 | . | | 2.16gm * | P<.5 |
| b | M f | b6c gav | lun MXB | 24m24 | . | | 2.18gm * | P<.5 |
| 31 | M m | b6c gav | MXA MXA | 24m24 | . | + | #798.mg * | P<.007 - |
| a | M m | b6c gav | TBA MXB | 24m24 | . | | 582.mg * | P<.6 |
| b | M m | b6c gav | liv MXB | 24m24 | . | | no dre | P=1. |
| c | M m | b6c gav | lun MXB | 24m24 | . | | no dre | P=1. |
| 32 | R f | f34 gav | TBA MXB | 24m24 | . | > | no dre | P=1. - |
| a | R f | f34 gav | liv MXB | 24m24 | . | | no dre | P=1. |
| 33 | R m | f34 gav | tes ict | 24m24 s | . | + | 68.2mg * | P<.003 |
| a | R m | f34 gav | k/c adn | 24m24 s | . | | 839.mg * | P<.01 p |
| b | R m | f34 gav | sub MXA | 24m24 s | . | | 458.mg * | P<.05 |
| c | R m | f34 gav | sub fib | 24m24 s | . | | 584.mg * | P<.05 |
| d | R m | f34 gav | liv MXA | 24m24 s | . | | 1.30gm * | P<.02 |
| e | R m | f34 gav | TBA MXB | 24m24 s | . | | 84.1mg * | P<.02 |
| f | R m | f34 gav | liv MXB | 24m24 s | . | | 1.30gm * | P<.02 |
| 2-AMINO-5-NITROPHENOL | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 34 | M f | b6c gav | TBA MXB | 24m24 ns | . | > | 5.76gm * | P<.9 - |
| a | M f | b6c gav | liv MXB | 24m24 ns | . | | no dre | P=1. |
| b | M f | b6c gav | lun MXB | 24m24 ns | . | | 807.gm * | P<.1 |
| 35 | M m | b6c gav | TBA MXB | 24m24 ns | . | > | no dre | P=1. - |
| a | M m | b6c gav | liv MXB | 24m24 ns | . | | no dre | P=1. |
| b | M m | b6c gav | lun MXB | 24m24 ns | . | | no dre | P=1. |
| 36 | R f | f34 gav | TBA MXB | 24m24 | . | > | no dre | P=1. - |
| a | R f | f34 gav | liv MXB | 24m24 | . | | no dre | P=1. |
| 37 | R m | f34 gav | tes ict | 24m24 s | . | + | 28.6mg * | P<.0005 |
| a | R m | f34 gav | pan MXA | 24m24 s | . | | 107.mg * | P<.0005 |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | | |
|---|--------|--------|--------|-------|--------|-------|--------|-----------------------|------------|------|---|
| 21 | bt203 | 8.83mg | n.s.s. | 0/75 | 1.07mg | 0/40 | | | | | |
| a | bt203 | 1.55mg | n.s.s. | 13/75 | 1.07mg | 11/40 | | | | | |
| b | bt203 | 3.14mg | n.s.s. | 6/75 | 1.07mg | 4/40 | | | | | |
| AFLATOXIN B1*** 1162-65-8 | | | | | | | | | | | |
| 22 | 1824 | 8.58ug | n.s.s. | 0/144 | 250.ng | 0/24 | 750.ng | 0/24 | 2.25ug | 1/24 | Elashoff;jnci,79,509-526;1987 |
| 23 | 1824 | 6.83ug | n.s.s. | 1/144 | 200.ng | 0/23 | 600.ng | 0/24 | 1.80ug | 1/23 | |
| ALLYL ALCOHOL 107-18-6 | | | | | | | | | | | |
| 24 | 1853 | 19.4mg | n.s.s. | 0/20 | 10.4mg | 3/20 | | | | | Lijinsky;txih,3,337-345;1987/pers.comm. |
| a | 1853 | 13.1mg | n.s.s. | 2/20 | 10.4mg | 6/20 | | | | | |
| b | 1853 | 22.8mg | n.s.s. | 2/20 | 10.4mg | 3/20 | | | | | |
| c | 1853 | 62.7mg | n.s.s. | 1/20 | 10.4mg | 0/20 | | | | | |
| 25 | 1853 | 16.0mg | n.s.s. | 2/20 | 7.26mg | 3/20 | | | | | |
| a | 1853 | 23.2mg | n.s.s. | 0/20 | 7.26mg | 1/20 | | | | | |
| b | 1853 | 20.8mg | n.s.s. | 2/20 | 7.26mg | 2/20 | | | | | |
| c | 1853 | 43.9mg | n.s.s. | 1/20 | 7.26mg | 0/20 | | | | | |
| 2-AMINO-3,8-DIMETHYLIMIDAZO[4,5-f]QUINOXALINE (MeIQx) 77500-04-0 | | | | | | | | | | | |
| 26 | 1820 | 7.95mg | 25.6mg | 0/39 | 78.0mg | 32/35 | | | | | Ohgaki;carc,8,665-668;1987 |
| a | 1820 | 7.95mg | 25.6mg | 0/39 | 78.0mg | 32/35 | | | | | |
| b | 1820 | 16.6mg | 50.3mg | 0/39 | 78.0mg | 25/35 | | | | | |
| c | 1820 | 37.2mg | 370.mg | 4/39 | 78.0mg | 15/35 | | | | | |
| d | 1820 | 59.2mg | n.s.s. | 2/39 | 78.0mg | 9/35 | | | | | |
| e | 1820 | 83.2mg | n.s.s. | 2/39 | 78.0mg | 6/35 | | | | | |
| f | 1820 | 83.2mg | n.s.s. | 11/39 | 78.0mg | 10/35 | | | | | |
| 27 | 1820 | 38.8mg | 10.9gm | 5/36 | 72.0mg | 15/37 | | | | | |
| a | 1820 | 49.6mg | 273.mg | 0/36 | 72.0mg | 10/37 | | | | | |
| b | 1820 | 48.9mg | 1.23gm | 2/36 | 72.0mg | 11/37 | | | | | |
| c | 1820 | 37.0mg | n.s.s. | 6/36 | 72.0mg | 16/37 | | | | | |
| d | 1820 | 42.9mg | n.s.s. | 10/36 | 72.0mg | 16/37 | | | | | |
| e | 1820 | 60.9mg | n.s.s. | 7/36 | 72.0mg | 11/37 | | | | | |
| f | 1820 | 77.2mg | n.s.s. | 3/36 | 72.0mg | 7/37 | | | | | |
| 28 | 1867 | 2.34mg | 11.3mg | 0/20 | 20.0mg | 12/19 | | | | | Kato;carc,9,71-73;1988/pers.comm. |
| a | 1867 | 3.00mg | 16.4mg | 0/20 | 20.0mg | 10/19 | | | | | |
| b | 1867 | 3.00mg | 16.4mg | 0/20 | 20.0mg | 10/19 | | | | | |
| c | 1867 | 14.2mg | n.s.s. | 0/20 | 20.0mg | 1/19 | | | | | |
| 29 | 1867 | n.s.s. | 2.01mg | 0/19 | 16.0mg | 20/20 | | | | | |
| a | 1867 | .518mg | 2.88mg | 0/19 | 16.0mg | 19/20 | | | | | |
| b | 1867 | 1.39mg | 6.00mg | 0/19 | 16.0mg | 15/20 | | | | | |
| c | 1867 | 1.82mg | 8.30mg | 0/19 | 16.0mg | 13/20 | | | | | |
| d | 1867 | 3.75mg | 34.5mg | 0/19 | 16.0mg | 7/20 | | | | | |
| e | 1867 | 4.95mg | 197.mg | 0/19 | 16.0mg | 5/20 | | | | | |
| f | 1867 | 8.79mg | n.s.s. | 0/19 | 16.0mg | 2/20 | | | | | |
| g | 1867 | 12.0mg | n.s.s. | 0/19 | 16.0mg | 1/20 | | | | | |
| h | 1867 | 12.0mg | n.s.s. | 0/19 | 16.0mg | 1/20 | | | | | |
| i | 1867 | 12.0mg | n.s.s. | 0/19 | 16.0mg | 1/20 | | | | | |
| 2-AMINO-4-NITROPHENOL 99-57-0 | | | | | | | | | | | |
| 30 | c55958 | 181.mg | n.s.s. | 32/50 | 87.6mg | 27/50 | 175.mg | 29/50 | | | |
| a | c55958 | 449.mg | n.s.s. | 2/50 | 87.6mg | 2/50 | 175.mg | 4/50 | | | liv:hpa,hpc,nnd. |
| b | c55958 | 450.mg | n.s.s. | 2/50 | 87.6mg | 2/50 | 175.mg | 4/50 | | | lun:a/a,a/c. |
| 31 | c55958 | 323.mg | 2.80gm | 0/50 | 87.6mg | 1/50 | 175.mg | 5/50 | | | abc:hem; liv:hes; mln:hes; pan:hem; spl:hes; sub:hem. S |
| a | c55958 | 103.mg | n.s.s. | 34/50 | 87.6mg | 39/50 | 175.mg | 35/50 | | | |
| b | c55958 | 292.mg | n.s.s. | 15/50 | 87.6mg | 18/50 | 175.mg | 10/50 | | | liv:hpa,hpc,nnd. |
| c | c55958 | 363.mg | n.s.s. | 9/50 | 87.6mg | 8/50 | 175.mg | 6/50 | | | lun:a/a,a/c. |
| 32 | c55958 | 146.mg | n.s.s. | 42/50 | 87.6mg | 39/50 | 175.mg | 39/50 | | | |
| a | c55958 | n.s.s. | n.s.s. | 0/50 | 87.6mg | 1/50 | 175.mg | 0/50 | | | liv:hpa,hpc,nnd. |
| 33 | c55958 | 35.2mg | 387.mg | 39/50 | 87.6mg | 39/50 | 175.mg | 36/50 | | | S |
| a | c55958 | 286.mg | 62.3gm | 0/50 | 87.6mg | 1/50 | 175.mg | 3/50 | | | |
| b | c55958 | 171.mg | n.s.s. | 2/50 | 87.6mg | 6/50 | 175.mg | 4/50 | | | sub:fbs,fib,nfs,srn. S |
| c | c55958 | 213.mg | n.s.s. | 1/50 | 87.6mg | 5/50 | 175.mg | 3/50 | | | S |
| d | c55958 | 368.mg | n.s.s. | 0/50 | 87.6mg | 0/50 | 175.mg | 3/50 | | | liv:hpc,nnd. S |
| e | c55958 | 39.6mg | 13.1gm | 45/50 | 87.6mg | 43/50 | 175.mg | 37/50 | | | |
| f | c55958 | 368.mg | n.s.s. | 0/50 | 87.6mg | 0/50 | 175.mg | 3/50 | | | liv:hpa,hpc,nnd. |
| 2-AMINO-5-NITROPHENOL 121-88-0 | | | | | | | | | | | |
| 34 | c55970 | 364.mg | n.s.s. | 29/50 | 283.mg | 30/50 | 566.mg | 8/50 | | | |
| a | c55970 | 1.48gm | n.s.s. | 5/50 | 283.mg | 3/50 | 566.mg | 1/50 | | | liv:hpa,hpc,nnd. |
| b | c55970 | 1.14gm | n.s.s. | 4/50 | 283.mg | 4/50 | 566.mg | 1/50 | | | lun:a/a,a/c. |
| 35 | c55970 | 550.mg | n.s.s. | 31/50 | 283.mg | 32/50 | 566.mg | 8/50 | | | |
| a | c55970 | 497.mg | n.s.s. | 17/50 | 283.mg | 16/50 | 566.mg | 1/50 | | | liv:hpa,hpc,nnd. |
| b | c55970 | 1.02gm | n.s.s. | 7/50 | 283.mg | 8/50 | 566.mg | 2/50 | | | lun:a/a,a/c. |
| 36 | c55970 | 105.mg | n.s.s. | 46/50 | 70.7mg | 45/50 | 142.mg | 38/50 | | | |
| a | c55970 | n.s.s. | n.s.s. | 0/50 | 70.7mg | 0/50 | 142.mg | 0/50 | | | liv:hpa,hpc,nnd. |
| 37 | c55970 | 16.8mg | 65.2mg | 42/50 | 70.7mg | 40/50 | 142.mg | 39/50 | | | |
| a | c55970 | 52.7mg | 328.mg | 1/50 | 70.7mg | 11/50 | 142.mg | 3/50 | | | pan:acc,ana. S |

| Spe | Strain | Site | Xpo+Xpt | | | | TD50 | 2Tailpvl |
|---------------------|--------|------|---------|-----|-----|-------|---|-------------------------|
| Sex | Route | Hist | Notes | | | | DR | AuOp |
| b | R m | f34 | gav | pan | ana | 24m24 | s | 111.mg * P<.0005p |
| c | R m | f34 | gav | pre | can | 24m24 | s | 562.mg / P<.004 |
| d | R m | f34 | gav | amd | MXA | 24m24 | s | 101.mg * P<.02 |
| e | R m | f34 | gav | pre | MXA | 24m24 | s | 392.mg * P<.04 |
| f | R m | f34 | gav | pni | isc | 24m24 | s | 393.mg * P<.04 |
| g | R m | f34 | gav | TBA | MXB | 24m24 | s | 33.6mg * P<.0005 |
| h | R m | f34 | gav | liv | MXB | 24m24 | s | 1.56gm * P<.05 |
| L-ASCORBATE, SODIUM | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 38 | R m | f3d | eat | eso | tum | 52w52 | er | .> no dre P=1. - |
| a | R m | f3d | eat | for | tum | 52w52 | er | no dre P=1. - |
| b | R m | f3d | eat | liv | tum | 52w52 | er | no dre P=1. - |
| AURANOFIN | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 39 | M f | cd1 | gav | liv | mix | 80w81 | erv | .> no dre P=1. - |
| 40 | M m | cd1 | gav | liv | mix | 80w81 | erv | .> 42.6mg * P<.2 - |
| 5-AZACYTIDINE*** | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 41 | M f | bal | ipj | lmr | mix | 50w72 | e | . + . 56.9ug P<.0005+ |
| a | M f | bal | ipj | mgl | mix | 50w72 | e | .432mg P<.002 |
| b | M f | bal | ipj | mgl | adb | 50w72 | e | .618mg P<.008 + |
| c | M f | bal | ipj | ski | mix | 50w72 | e | .499mg P<.03 + |
| d | M f | bal | ipj | lun | ade | 50w72 | e | no dre P=1. |
| e | M f | bal | ipj | liv | tum | 50w72 | e | no dre P=1. |
| f | M f | bal | ipj | tba | tum | 50w72 | e | 36.4ug P<.0005 |
| 42 | M m | bal | ipj | lun | ade | 50w67 | e | . + . .121mg P<.003 + |
| a | M m | bal | ipj | lmr | mix | 50w67 | e | .285mg P<.01 + |
| b | M m | bal | ipj | ski | mix | 50w67 | e | .980mg P<.04 + |
| c | M m | bal | ipj | liv | hpa | 50w67 | e | 1.49mg P<.1 |
| d | M m | bal | ipj | tba | tum | 50w67 | e | 53.9ug P<.0005 |
| 43 | R m | f34 | ipj | tes | tum | 52w52 | e | . + . .222mg * P<.0005+ |
| a | R m | f34 | ipj | liv | tum | 52w52 | e | no dre P=1. |
| b | R m | f34 | ipj | tba | tum | 52w52 | e | .170mg * P<.0005+ |
| 6-AZACYTIDINE | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 44 | R m | f34 | ipj | liv | tum | 52w52 | e | .> no dre P=1. |
| a | R m | f34 | ipj | tba | tum | 52w52 | e | no dre P=1. - |
| AZOXYMETHANE*** | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 45 | R m | f34 | gav | col | tum | 30w65 | e | . + . .102mg P<.0005+ |
| a | R m | f34 | gav | col | mal | 30w65 | e | .171mg P<.0005 |
| b | R m | f34 | gav | zym | car | 30w65 | e | .204mg P<.0005+ |
| c | R m | f34 | gav | kid | mnp | 30w65 | e | .300mg P<.002 + |
| d | R m | f34 | gav | liv | tum | 30w65 | e | no dre P=1. - |
| 1-AZOXYPROPANE | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 46 | R m | sda | gav | ski | mix | 26w77 | ev | <+ noTD50 P<.0005+ |
| a | R m | sda | gav | ski | ker | 26w77 | ev | 380.ng P<.0005+ |
| b | R m | sda | gav | nas | mix | 26w77 | ev | 596.ng P<.0005+ |
| c | R m | sda | gav | nas | ene | 26w77 | ev | 723.ng P<.0005+ |
| d | R m | sda | gav | nas | pam | 26w77 | ev | 7.36ug P<.1 + |
| e | R m | sda | gav | liv | hpc | 26w77 | ev | 7.36ug P<.1 |
| f | R m | sda | gav | liv | hpa | 26w77 | ev | no dre P=1. |
| 2-AZOXYPROPANE | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 47 | R m | sda | gav | ski | ker | 26w77 | ev | . ± 2.68ug P<.04 + |
| a | R m | sda | gav | liv | hpc | 26w77 | ev | 7.36ug P<.1 |
| b | R m | sda | gav | liv | hpa | 26w77 | ev | no dre P=1. |
| BENZENE*** | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 48 | M f | swi | gav | mam | car | 18m24 | | . + . 279.mg P<.0005+ |
| a | M f | swi | gav | lun | mix | 18m24 | | 453.mg P<.004 + |
| b | M f | swi | gav | lun | ata | 18m24 | | 1.02gm P<.004 |
| c | M f | swi | gav | lun | ade | 18m24 | | 1.10gm P<.2 |
| d | M f | swi | gav | zym | car | 18m24 | | 6.52gm P<.3 + |
| e | M f | swi | gav | liv | hpt | 18m24 | | no dre P=1. |
| f | M f | swi | gav | tba | mix | 18m24 | | 150.mg P<.0005 |
| g | M f | swi | gav | tba | mal | 18m24 | | 187.mg P<.0005+ |
| 49 | M m | swi | gav | lun | mix | 18m24 | | . + . 382.mg P<.0005+ |
| a | M m | swi | gav | lun | ade | 18m24 | | 811.mg P<.02 |
| b | M m | swi | gav | lun | ata | 18m24 | | 1.20gm P<.04 |
| c | M m | swi | gav | zym | car | 18m24 | | 1.57gm P<.02 + |
| d | M m | swi | gav | liv | hpt | 18m24 | | 6.19gm P<.7 |
| e | M m | swi | gav | lun | adc | 18m24 | | 6.52gm P<.3 |
| f | M m | swi | gav | tba | mix | 18m24 | | 370.mg P<.05 |
| g | M m | swi | gav | tba | mal | 18m24 | | 939.mg P<.3 + |
| 50 | R f | wis | gav | zym | sqc | 24m24 | | . + .1.36gm P<.004 |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | |
|--|--------|--------|--------|--------|--------|--------|--------|-----------------------|---|--|
| b | c55970 | 53.8mg | 359.mg | 1/50 | 70.7mg | 10/50 | 142.mg | 3/50 | | |
| c | c55970 | 163.mg | 5.02gm | 0/50 | 70.7mg | 0/50 | 142.mg | 4/50 | | |
| d | c55970 | 43.3mg | n.s.s. | 20/50 | 70.7mg | 16/50 | 142.mg | 12/50 | amd:phe,phm. S | |
| e | c55970 | 126.mg | n.s.s. | 3/50 | 70.7mg | 2/50 | 142.mg | 5/50 | pre:adn,can. S | |
| f | c55970 | 118.mg | n.s.s. | 0/50 | 70.7mg | 3/50 | 142.mg | 0/50 | S | |
| g | c55970 | 19.0mg | 88.7mg | 42/50 | 70.7mg | 44/50 | 142.mg | 34/50 | | |
| h | c55970 | 332.mg | n.s.s. | 0/50 | 70.7mg | 0/50 | 142.mg | 2/50 | liv:hpa,hpc,nnd. | |
| L-ASCORBATE, SODIUM (vitamin C, sodium) 134-03-2 | | | | | | | | | | |
| 38 | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | Hirose;carc,8,1731-1735;1987/pers.comm. | |
| a | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | | |
| b | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | | |
| AURANOFIN ((2,3,4,6-tetra-O-acetyl-1-thio-1-beta-D-glucopyranosato-S) (triethylphosphine) gold) 34031-32-8 | | | | | | | | | | |
| 39 | 1870 | 130.mg | n.s.s. | 4/220 | 1.00mg | 3/110 | 3.00mg | 0/110 | 7.45mg 0/110 | Markiewicz;faat,11,277-284;1988 |
| 40 | 1870 | 13.8mg | n.s.s. | 24/220 | 1.00mg | 21/110 | 3.00mg | 17/110 | 7.45mg 20/110 | |
| 5-AZACYTIDINE*** 320-67-2 | | | | | | | | | | |
| 41 | 1819 | 35.2ug | .104mg | 6/50 | .198mg | 36/50 | | | | Cavaliere;clet,37,51-58;1987 |
| a | 1819 | .186mg | 1.82mg | 0/50 | .198mg | 7/50 | | | | |
| b | 1819 | .235mg | 12.0mg | 0/50 | .198mg | 5/50 | | | | |
| c | 1819 | .196mg | n.s.s. | 1/50 | .198mg | 7/50 | | | | |
| d | 1819 | .329mg | n.s.s. | 9/50 | .198mg | 7/50 | | | | |
| e | 1819 | .980mg | n.s.s. | 0/50 | .198mg | 0/50 | | | | |
| f | 1819 | 21.5ug | 69.4ug | 14/50 | .198mg | 44/50 | | | | |
| 42 | 1819 | 60.4ug | .719mg | 12/50 | .213mg | 27/50 | | | | |
| a | 1819 | .126mg | 41.7mg | 3/50 | .213mg | 12/50 | | | | |
| b | 1819 | .297mg | n.s.s. | 0/50 | .213mg | 3/50 | | | | |
| c | 1819 | .365mg | n.s.s. | 0/50 | .213mg | 2/50 | | | | |
| d | 1819 | 31.5ug | .116mg | 13/50 | .213mg | 38/50 | | | | |
| 43 | 1906 | .144mg | .404mg | 10/49 | 10.7ug | 1/10 | .107mg | 2/10 | 1.07mg 56/87 | Carr;bjca,57,395-402;1988 |
| a | 1906 | 5.01ug | n.s.s. | 0/49 | 10.7ug | 0/10 | .107mg | 0/10 | 1.07mg 0/87 | |
| b | 1906 | .114mg | .282mg | 10/49 | 10.7ug | 1/10 | .107mg | 2/10 | 1.07mg 63/87 | |
| 6-AZACYTIDINE 3131-60-0 | | | | | | | | | | |
| 44 | 1906 | .662mg | n.s.s. | 0/49 | 1.07mg | 0/12 | | | | Carr;bjca,57,395-402;1988 |
| a | 1906 | .340mg | n.s.s. | 10/49 | 1.07mg | 2/12 | | | | |
| AZOXYMETHANE*** (Z-methyl-O,N-azoxymethane) 25843-45-2 | | | | | | | | | | |
| 45 | 1864 | 48.5ug | .249mg | 0/19 | .527mg | 12/16 | | | | Lijinsky;canr,47,3968-3972;1987/pers.comm. |
| a | 1864 | 77.9ug | .474mg | 0/19 | .527mg | 9/16 | | | | |
| b | 1864 | 90.0ug | .610mg | 0/19 | .527mg | 8/16 | | | | |
| c | 1864 | .121mg | 1.26mg | 0/19 | .527mg | 6/16 | | | | |
| d | 1864 | .679mg | n.s.s. | 0/19 | .527mg | 0/16 | | | | |
| 1-AZOXYPROPANE 17697-55-1 | | | | | | | | | | |
| 46 | 1837 | n.s.s. | 241.ng | 1/29 | 1.40ug | 29/29 | | | | Fiala;carc,8,1947-1949;1987/pers.comm. |
| a | 1837 | 214.ng | 751.ng | 1/29 | 1.40ug | 22/29 | | | | |
| b | 1837 | 330.ng | 1.22ug | 0/29 | 1.40ug | 17/29 | | | | |
| c | 1837 | 390.ng | 1.55ug | 0/29 | 1.40ug | 15/29 | | | | |
| d | 1837 | 1.81ug | n.s.s. | 0/29 | 1.40ug | 2/29 | | | | |
| e | 1837 | 1.81ug | n.s.s. | 0/29 | 1.40ug | 2/29 | | | | |
| f | 1837 | 2.77ug | n.s.s. | 1/29 | 1.40ug | 1/29 | | | | |
| 2-AZOXYPROPANE 17697-53-9 | | | | | | | | | | |
| 47 | 1837 | 971.ng | n.s.s. | 1/29 | 1.40ug | 6/29 | | | | Fiala;carc,8,1947-1949;1987/pers.comm. |
| a | 1837 | 1.81ug | n.s.s. | 0/29 | 1.40ug | 2/29 | | | | |
| b | 1837 | 2.77ug | n.s.s. | 1/29 | 1.40ug | 1/29 | | | | |
| BENZENE*** 71-43-2 | | | | | | | | | | |
| 48 | bt908 | 154.mg | 655.mg | 2/40 | 241.mg | 19/40 | | | | Maltoni;anya,534,412-426;1988 |
| a | bt908 | 214.mg | 3.43gm | 4/40 | 241.mg | 15/40 | | | | |
| b | bt908 | 414.mg | 6.13gm | 0/40 | 241.mg | 6/40 | | | | |
| c | bt908 | 362.mg | n.s.s. | 4/40 | 241.mg | 9/40 | | | | |
| d | bt908 | 1.06gm | n.s.s. | 0/40 | 241.mg | 1/40 | | | | |
| e | bt908 | 1.99gm | n.s.s. | 0/40 | 241.mg | 0/40 | | | | |
| f | bt908 | 77.1mg | 523.mg | 16/40 | 241.mg | 32/40 | | | | |
| g | bt908 | 99.1mg | 589.mg | 11/40 | 241.mg | 28/40 | | | | |
| 49 | bt908 | 193.mg | 1.39gm | 3/40 | 241.mg | 16/40 | | | | |
| a | bt908 | 330.mg | n.s.s. | 2/40 | 241.mg | 9/40 | | | | |
| b | bt908 | 436.mg | n.s.s. | 1/40 | 241.mg | 6/40 | | | | |
| c | bt908 | 541.mg | n.s.s. | 0/40 | 241.mg | 4/40 | | | | |
| d | bt908 | 756.mg | n.s.s. | 2/40 | 241.mg | 3/40 | | | | |
| e | bt908 | 1.06gm | n.s.s. | 0/40 | 241.mg | 1/40 | | | | |
| f | bt908 | 149.mg | n.s.s. | 15/40 | 241.mg | 24/40 | | | | |
| g | bt908 | 279.mg | n.s.s. | 9/40 | 241.mg | 14/40 | | | | |
| 50 | bt907 | 552.mg | 8.18gm | 0/40 | 321.mg | 6/40 | | | | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|-------------------------|---------|------|---------|-----------|---|----------|
| Sex | Route | Hist | | | DR | Au0p |
| a | R f wis | gav | orc sqc | 24m24 | 2.09gm | P<.02 |
| b | R f wis | gav | nas ulc | 24m24 | 8.70gm | P<.3 |
| c | R f wis | gav | tba mal | 24m24 | 482.mg | P<.02 |
| d | R f wis | gav | tba mix | 24m24 | no dre | P=1. |
| 51 | R m wis | gav | zym sqc | 24m24 | 1.14gm | P<.002 |
| a | R m wis | gav | nas ulc | 24m24 | 4.29gm | P<.1 |
| b | R m wis | gav | orc sqc | 24m24 | 8.48gm | P<.6 |
| c | R m wis | gav | tba mal | 24m24 | 523.mg | P<.01 |
| d | R m wis | gav | tba mix | 24m24 | no dre | P=1. |
| BENZOFURAN | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 52 | M f b6c | gav | MXB MXB | 24m24 | 33.4mg | P<.0005 |
| a | M f b6c | gav | liv hpa | 24m24 | 34.4mg | P<.0005c |
| b | M f b6c | gav | liv MXA | 24m24 | 36.4mg | P<.0005 |
| c | M f b6c | gav | for MXA | 24m24 | 145.mg | P<.003 c |
| d | M f b6c | gav | for sqp | 24m24 | 172.mg | P<.005 |
| e | M f b6c | gav | lun MXA | 24m24 | 174.mg * | P<.0005c |
| f | M f b6c | gav | lun a/a | 24m24 | 224.mg * | P<.0005 |
| g | M f b6c | gav | MXA MXA | 24m24 | 322.mg | P<.04 |
| h | M f b6c | gav | TBA MXB | 24m24 | 45.9mg | P<.002 |
| i | M f b6c | gav | liv MXB | 24m24 | 36.4mg | P<.0005 |
| j | M f b6c | gav | lun MXB | 24m24 | 174.mg * | P<.0005 |
| 53 | M m b6c | gav | liv MXA | 24m24 | 19.8mg | P<.0005c |
| a | M m b6c | gav | liv hpa | 24m24 | 20.5mg | P<.0005c |
| b | M m b6c | gav | liv MXA | 24m24 | 21.3mg | P<.0005 |
| c | M m b6c | gav | MXB MXB | 24m24 | 23.9mg | P<.002 |
| d | M m b6c | gav | liv hpb | 24m24 | 102.mg * | P<.0005c |
| e | M m b6c | gav | for MXA | 24m24 | 108.mg * | P<.002 c |
| f | M m b6c | gav | liv MXA | 24m24 | 114.mg * | P<.006 |
| g | M m b6c | gav | lun a/a | 24m24 | 136.mg * | P<.004 |
| h | M m b6c | gav | for sqp | 24m24 | 154.mg * | P<.007 |
| i | M m b6c | gav | lun MXA | 24m24 | 160.mg * | P<.04 c |
| j | M m b6c | gav | for sqc | 24m24 | 383.mg * | P<.03 |
| k | M m b6c | gav | mul mlp | 24m24 | 919.mg * | P<.04 |
| l | M m b6c | gav | TBA MXB | 24m24 | 54.3mg * | P<.02 |
| m | M m b6c | gav | liv MXB | 24m24 | 21.3mg | P<.0005 |
| n | M m b6c | gav | lun MXB | 24m24 | 160.mg * | P<.04 |
| 54 | R f f34 | gav | sub nlm | 24m24 | 98.8mg | P<.005 |
| a | R f f34 | gav | lun MXA | 24m24 | 418.mg * | P<.04 |
| b | R f f34 | gav | kid uac | 24m24 | 424.mg * | P<.02 p |
| c | R f f34 | gav | lun a/a | 24m24 | 530.mg * | P<.04 |
| d | R f f34 | gav | ton sqp | 24m24 | 574.mg * | P<.04 |
| e | R f f34 | gav | TBA MXB | 24m24 | 577.mg * | P<.9 |
| f | R f f34 | gav | liv MXB | 24m24 | 2.09gm * | P<.3 |
| 55 | R m f34 | gav | tes ict | 24m24 | #8.03mg | P<.004 - |
| a | R m f34 | gav | pit adn | 24m24 | 45.8mg * | P<.03 |
| b | R m f34 | gav | MXA MXA | 24m24 | 55.3mg * | P<.02 |
| c | R m f34 | gav | lun a/c | 24m24 | 166.mg * | P<.03 |
| d | R m f34 | gav | mgl fba | 24m24 | 271.mg * | P<.03 |
| e | R m f34 | gav | thy fcc | 24m24 | 389.mg * | P<.03 |
| f | R m f34 | gav | TBA MXB | 24m24 | 22.5mg * | P<.02 |
| g | R m f34 | gav | liv MXB | 24m24 | no dre | P=1. |
| BENZYL ALCOHOL | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 56 | M f b6c | gav | TBA MXB | 24m24 | 57.5gm * | P<.1. - |
| a | M f b6c | gav | liv MXB | 24m24 | 1.04gm * | P<.4 |
| b | M f b6c | gav | lun MXB | 24m24 | no dre | P=1. |
| 57 | M m b6c | gav | adr coa | 24m24 | #1.62gm * | P<.05 - |
| a | M m b6c | gav | TBA MXB | 24m24 | no dre | P=1. |
| b | M m b6c | gav | liv MXB | 24m24 | 588.mg * | P<.4 |
| c | M m b6c | gav | lun MXB | 24m24 | 546.mg * | P<.3 |
| 58 | R f f34 | gav | TBA MXB | 24m24 s | 885.mg * | P<.7 - |
| a | R f f34 | gav | liv MXB | 24m24 s | no dre | P=1. |
| 59 | R m f34 | gav | mgl MXA | 24m24 | #1.14gm * | P<.03 - |
| a | R m f34 | gav | mgl fba | 24m24 | 1.38gm * | P<.04 |
| b | R m f34 | gav | TBA MXB | 24m24 | no dre | P=1. |
| c | R m f34 | gav | liv MXB | 24m24 | no dre | P=1. |
| HC BLUE NO. 1*** | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 60 | M f b6c | eat | liv mix | 9m23 er | 41.3mg | P<.0005+ |
| a | M f b6c | eat | liv hpc | 9m23 er | 114.mg | P<.0005+ |
| b | M f b6c | eat | liv hpa | 9m23 er | 165.mg | P<.0005 |
| 61 | M f b6c | eat | liv mix | 15m23 er | 81.5mg | P<.0005+ |
| a | M f b6c | eat | liv hpc | 15m23 er | 94.0mg | P<.0005+ |
| b | M f b6c | eat | liv hpa | 15m23 er | 969.mg | P<.05 |
| 62 | M f b6c | eat | liv mix | 91w91 ekr | 85.0mg | P<.0005+ |
| a | M f b6c | eat | liv hpc | 91w91 ekr | 148.mg | P<.004 + |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|----------------------------|--------|--------|--------|-------|--------|-------|----------------|--|------------|
| a | bt907 | 722.mg | n.s.s. | 0/40 | 321.mg | 4/40 | | | |
| b | bt907 | 1.42gm | n.s.s. | 0/40 | 321.mg | 1/40 | | | |
| c | bt907 | 217.mg | n.s.s. | 10/40 | 321.mg | 21/40 | | | |
| d | bt907 | 408.mg | n.s.s. | 34/40 | 321.mg | 27/40 | | | |
| 51 | bt907 | 494.mg | 4.73gm | 0/40 | 321.mg | 7/40 | | | |
| a | bt907 | 1.06gm | n.s.s. | 0/40 | 321.mg | 2/40 | | | |
| b | bt907 | 1.16gm | n.s.s. | 1/40 | 321.mg | 2/40 | | | |
| c | bt907 | 238.mg | 26.9gm | 8/40 | 321.mg | 19/40 | | | |
| d | bt907 | 490.mg | n.s.s. | 30/40 | 321.mg | 23/40 | | | |
| BENZOFURAN 271-89-6 | | | | | | | | | |
| 52 | c56166 | 18.8mg | 73.8mg | 5/50 | 84.9mg | 27/50 | (170.mg 29/50) | for:scq,scp; liv:hpa; lun:a/a,a/c. | C |
| a | c56166 | 19.7mg | 71.5mg | 1/50 | 84.9mg | 22/50 | (170.mg 21/50) | | |
| b | c56166 | 20.4mg | 80.8mg | 4/50 | 84.9mg | 25/50 | (170.mg 22/50) | liv:hpa,hpc. | S |
| c | c56166 | 61.8mg | 890.mg | 2/50 | 84.9mg | 9/50 | (170.mg 5/50) | for:scq,scp. | S |
| d | c56166 | 69.8mg | 1.88gm | 2/50 | 84.9mg | 8/50 | (170.mg 5/50) | | |
| e | c56166 | 98.1mg | 449.mg | 2/50 | 84.9mg | 9/50 | 170.mg 14/50 | lun:a/a,a/c. | S |
| f | c56166 | 122.mg | 565.mg | 1/50 | 84.9mg | 5/50 | 170.mg 13/50 | | |
| g | c56166 | 101.mg | n.s.s. | 1/50 | 84.9mg | 4/50 | (170.mg 1/50) | mut:mlu; spl:mlu. | S |
| h | c56166 | 22.3mg | 255.mg | 27/50 | 84.9mg | 35/50 | (170.mg 35/50) | | |
| i | c56166 | 20.4mg | 80.8mg | 4/50 | 84.9mg | 25/50 | (170.mg 22/50) | liv:hpa,hpc,nnnd. | |
| j | c56166 | 98.1mg | 449.mg | 2/50 | 84.9mg | 9/50 | 170.mg 14/50 | lun:a/a,a/c. | |
| 53 | c56166 | 10.7mg | 52.5mg | 12/50 | 42.4mg | 31/50 | (84.9mg 40/50) | liv:hpa,hpb,hpc. | |
| a | c56166 | 11.5mg | 46.9mg | 4/50 | 42.4mg | 24/50 | (84.9mg 34/50) | | |
| b | c56166 | 11.4mg | 58.6mg | 12/50 | 42.4mg | 30/50 | (84.9mg 37/50) | liv:hpa,hpc. | S |
| c | c56166 | 11.7mg | 108.mg | 20/50 | 42.4mg | 32/50 | (84.9mg 45/50) | for:scq,scp; liv:hpa,hpb,hpc; lun:a/a,a/c. | C |
| d | c56166 | 60.1mg | 191.mg | 0/50 | 42.4mg | 3/50 | 84.9mg 18/50 | | |
| e | c56166 | 58.7mg | 438.mg | 2/50 | 42.4mg | 11/50 | 84.9mg 13/50 | for:scq,scp. | |
| f | c56166 | 55.7mg | 1.46gm | 9/50 | 42.4mg | 10/50 | 84.9mg 22/50 | liv:hpb,hpc. | S |
| g | c56166 | 67.8mg | 1.08gm | 4/50 | 42.4mg | 7/50 | 84.9mg 15/50 | | S |
| h | c56166 | 74.8mg | 2.64gm | 2/50 | 42.4mg | 7/50 | 84.9mg 10/50 | | S |
| i | c56166 | 67.6mg | n.s.s. | 10/50 | 42.4mg | 9/50 | 84.9mg 19/50 | lun:a/a,a/c. | |
| j | c56166 | 163.mg | n.s.s. | 0/50 | 42.4mg | 4/50 | 84.9mg 3/50 | | S |
| k | c56166 | 272.mg | n.s.s. | 0/50 | 42.4mg | 0/50 | 84.9mg 3/50 | | S |
| l | c56166 | 25.8mg | n.s.s. | 29/50 | 42.4mg | 32/50 | 84.9mg 45/50 | | |
| m | c56166 | 11.4mg | 58.6mg | 12/50 | 42.4mg | 30/50 | (84.9mg 37/50) | liv:hpa,hpc,nnnd. | |
| n | c56166 | 67.6mg | n.s.s. | 10/50 | 42.4mg | 9/50 | 84.9mg 19/50 | lun:a/a,a/c. | |
| 54 | c56166 | 42.7mg | 939.mg | 1/50 | 42.4mg | 9/50 | (84.9mg 3/50) | | S |
| a | c56166 | 159.mg | n.s.s. | 0/50 | 42.4mg | 2/50 | 84.9mg 3/50 | lun:a/a,a/c. | S |
| b | c56166 | 161.mg | n.s.s. | 0/50 | 42.4mg | 1/50 | 84.9mg 4/50 | | |
| c | c56166 | 183.mg | n.s.s. | 0/50 | 42.4mg | 1/50 | 84.9mg 3/50 | | S |
| d | c56166 | 194.mg | n.s.s. | 0/50 | 42.4mg | 1/50 | 84.9mg 3/50 | | S |
| e | c56166 | 40.0mg | n.s.s. | 46/50 | 42.4mg | 48/50 | 84.9mg 42/50 | | |
| f | c56166 | 341.mg | n.s.s. | 0/50 | 42.4mg | 0/50 | 84.9mg 1/50 | liv:hpa,hpc,nnnd. | |
| 55 | c56166 | 3.77mg | 68.2mg | 42/50 | 21.2mg | 40/50 | (42.4mg 41/50) | | S |
| a | c56166 | 19.5mg | n.s.s. | 18/50 | 21.2mg | 16/50 | 42.4mg 22/50 | | S |
| b | c56166 | 25.4mg | n.s.s. | 10/50 | 21.2mg | 13/50 | 42.4mg 17/50 | liv:mln; mul:mln. | S |
| c | c56166 | 60.0mg | n.s.s. | 0/50 | 21.2mg | 3/50 | 42.4mg 2/50 | | S |
| d | c56166 | 77.8mg | n.s.s. | 0/50 | 21.2mg | 0/50 | 42.4mg 3/50 | | S |
| e | c56166 | 103.mg | n.s.s. | 0/50 | 21.2mg | 0/50 | 42.4mg 3/50 | | S |
| f | c56166 | 10.4mg | n.s.s. | 45/50 | 21.2mg | 42/50 | 42.4mg 46/50 | | |
| g | c56166 | 147.mg | n.s.s. | 1/50 | 21.2mg | 1/50 | 42.4mg 0/50 | liv:hpa,hpc,nnnd. | |
| BENZYL ALCOHOL 100-51-6 | | | | | | | | | |
| 56 | c06111 | 120.mg | n.s.s. | 27/50 | 70.7mg | 24/50 | 142.mg 36/50 | | |
| a | c06111 | 279.mg | n.s.s. | 1/50 | 70.7mg | 6/50 | 142.mg 4/50 | liv:hpa,hpc,nnnd. | |
| b | c06111 | 588.mg | n.s.s. | 4/50 | 70.7mg | 1/50 | 142.mg 4/50 | lun:a/a,a/c. | |
| 57 | c06111 | 489.mg | n.s.s. | 0/50 | 70.7mg | 0/50 | 142.mg 3/50 | | S |
| a | c06111 | 134.mg | n.s.s. | 34/50 | 70.7mg | 27/50 | 142.mg 34/50 | | |
| b | c06111 | 148.mg | n.s.s. | 11/50 | 70.7mg | 16/50 | 142.mg 16/50 | liv:hpa,hpc,nnnd. | |
| c | c06111 | 174.mg | n.s.s. | 10/50 | 70.7mg | 6/50 | 142.mg 17/50 | lun:a/a,a/c. | |
| 58 | c06111 | 133.mg | n.s.s. | 46/50 | 142.mg | 29/50 | 283.mg 26/50 | | |
| a | c06111 | n.s.s. | n.s.s. | 0/50 | 142.mg | 0/50 | 283.mg 0/50 | liv:hpa,hpc,nnnd. | |
| 59 | c06111 | 465.mg | n.s.s. | 0/50 | 142.mg | 3/50 | 283.mg 3/50 | mgl:adn, fba. | S |
| a | c06111 | 523.mg | n.s.s. | 0/50 | 142.mg | 2/50 | 283.mg 3/50 | | S |
| b | c06111 | 171.mg | n.s.s. | 44/50 | 142.mg | 32/50 | 283.mg 38/50 | | |
| c | c06111 | 1.47gm | n.s.s. | 2/50 | 142.mg | 0/50 | 283.mg 1/50 | liv:hpa,hpc,nnnd. | |
| HC BLUE NO. 1*** 2784-94-3 | | | | | | | | | |
| 60 | 1860m | 19.7mg | 91.7mg | 3/38 | 151.mg | 20/22 | | Burnett;fctx,25,703-707;1987/pers.comm. | |
| a | 1860m | 56.4mg | 302.mg | 2/38 | 151.mg | 13/22 | | | |
| b | 1860m | 77.2mg | 499.mg | 1/38 | 151.mg | 10/22 | | | |
| 61 | 1860n | 41.2mg | 177.mg | 3/38 | 252.mg | 20/23 | | | |
| a | 1860n | 48.9mg | 201.mg | 2/38 | 252.mg | 19/23 | | | |
| b | 1860n | 300.mg | n.s.s. | 1/38 | 252.mg | 4/23 | | | |
| 62 | 1860o | 33.8mg | 291.mg | 0/10 | 195.mg | 7/10 | | | |
| a | 1860o | 54.2mg | 1.03gm | 0/10 | 195.mg | 5/10 | | | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|--|--------|---------|---------|----------------|-----------|----------|
| Sex | Route | Hist | | | DR | AuOp |
| b | M f | b6c eat | liv hpa | 91w91 ekr | 287.mg | P<.04 |
| 63 | M f | b6c eat | liv mix | 23m23 er . + . | 51.4mg | P<.0005+ |
| a | M f | b6c eat | liv hpc | 23m23 er | 163.mg | P<.0005+ |
| b | M f | b6c eat | liv hpa | 23m23 er | 185.mg | P<.0005 |
| 64 | M f | b6c eat | liv hpc | 91w91 ekr <+ | noTD50 | P<.0005+ |
| a | M f | b6c eat | liv mix | 91w91 ekr | noTD50 | P<.0005+ |
| b | M f | b6c eat | liv hpa | 91w91 ekr | 574.mg | P<.04 |
| 65 | M f | b6c eat | liv mix | 23m23 er <+ | noTD50 | P<.0005+ |
| a | M f | b6c eat | liv hpc | 23m23 er | 87.1mg | P<.0005+ |
| b | M f | b6c eat | liv hpa | 23m23 er | 1.30gm | P<.02 |
| HC BLUE NO. 1 (PURIFIED) 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 66 | M f | b6c eat | liv mix | 91w91 ekr <+ | noTD50 | P<.0005+ |
| a | M f | b6c eat | liv hpc | 91w91 ekr | 88.9mg | P<.0005+ |
| b | M f | b6c eat | liv hpa | 91w91 ekr | 917.mg | P<.09 |
| 67 | M f | b6c eat | liv mix | 23m23 er . + . | 70.6mg | P<.0005+ |
| a | M f | b6c eat | liv hpc | 23m23 er | 115.mg | P<.0005+ |
| b | M f | b6c eat | liv hpa | 23m23 er | 530.mg | P<.0005 |
| BORIC ACID 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 68 | M f | b6c eat | TBA MXB | 24m24 :> | no dre | P=1. - |
| a | M f | b6c eat | liv MXB | 24m24 | 31.0gm * | P<.9 |
| b | M f | b6c eat | liv MXB | 24m24 | 4.19gm * | P<.3 |
| 69 | M m | b6c eat | liv MXA | 24m24 s : + | #638.mg * | P<.009 - |
| a | M m | b6c eat | sub MXA | 24m24 s | 706.mg | P<.004 |
| b | M m | b6c eat | sub MXA | 24m24 s | 1.07gm | P<.009 |
| c | M m | b6c eat | liv hpc | 24m24 s | 1.12gm * | P<.02 |
| d | M m | b6c eat | TBA MXB | 24m24 s | 500.mg * | P<.03 |
| e | M m | b6c eat | liv MXB | 24m24 s | 638.mg * | P<.009 |
| f | M m | b6c eat | liv MXB | 24m24 s | 38.6gm * | P<1. |
| BROMATE, POTASSIUM*** 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 70 | R m | f3d wat | kid mix | 6m24 e . + . | 6.67mg | P<.0005+ |
| a | R m | f3d wat | kid ade | 6m24 e | 6.67mg | P<.0005 |
| b | R m | f3d wat | per mso | 6m24 e | 7.84mg | P<.0005 |
| c | R m | f3d wat | thy fct | 6m24 e | 11.3mg | P<.003 |
| d | R m | f3d wat | kid adc | 6m24 e | 79.2mg | P<.3 |
| 71 | R m | f3d wat | kid mix | 9m24 e . + . | 4.81mg | P<.0005+ |
| a | R m | f3d wat | kid ade | 9m24 e | 5.57mg | P<.0005 |
| b | R m | f3d wat | per mso | 9m24 e | 14.0mg | P<.002 |
| c | R m | f3d wat | kid adc | 9m24 e | 16.9mg | P<.003 |
| 72 | R m | f3d wat | kid mix | 12m24 e . + . | 8.32mg | P<.0005+ |
| a | R m | f3d wat | kid ade | 12m24 e | 10.1mg | P<.0005 |
| b | R m | f3d wat | per mso | 12m24 e | 19.4mg | P<.003 |
| c | R m | f3d wat | thy fct | 12m24 e | 19.4mg | P<.003 |
| d | R m | f3d wat | kid adc | 12m24 e | 35.5mg | P<.02 |
| 73 | R m | f3d wat | kid ade | 52w52 e . + . | 4.98mg | P<.002 |
| a | R m | f3d wat | per mso | 52w52 e | 25.6mg | P<.2 |
| 74 | R m | f3d wat | per mso | 24m24 e . + . | 12.4mg | P<.0005 |
| a | R m | f3d wat | kid mix | 24m24 e | 28.7mg | P<.0005+ |
| b | R m | f3d wat | thy fct | 24m24 e | 39.8mg | P<.002 |
| c | R m | f3d wat | kid ade | 24m24 e | 48.0mg | P<.004 |
| d | R m | f3d wat | thy fca | 24m24 e | 59.5mg | P<.008 |
| e | R m | f3d wat | kid adc | 24m24 e | 105.mg | P<.04 |
| 75 | R m | f3d wat | per mso | 24m24 e . + . | 29.1mg * | P<.0005 |
| a | R m | f3d wat | kid rct | 24m24 | 41.6mg * | P<.0005+ |
| b | R m | f3d wat | kid ade | 24m24 | 52.0mg * | P<.0005+ |
| c | R m | f3d wat | thy fct | 24m24 e | 78.6mg * | P<.0005 |
| d | R m | f3d wat | kid adc | 24m24 | 326.mg * | P<.004 |
| e | R m | f3d wat | liv nnd | 24m24 | 68.2mg Z | P<.2 |
| BROMODICHLOROMETHANE*** 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 76 | M f | b6c gav | liv MXA | 24m24 : + : | 28.9mg * | P<.0005c |
| a | M f | b6c gav | liv hpa | 24m24 | 36.0mg * | P<.0005c |
| b | M f | b6c gav | liv hpc | 24m24 | 144.mg * | P<.002 c |
| c | M f | b6c gav | MXA MXA | 24m24 | 132.mg | P<.02 |
| d | M f | b6c gav | TBA MXB | 24m24 | 62.9mg * | P<.04 |
| e | M f | b6c gav | liv MXB | 24m24 | 28.9mg * | P<.0005 |
| f | M f | b6c gav | liv MXB | 24m24 | 644.mg * | P<.2 |
| 77 | M m | b6c gav | mul mlp | 24m24 : + : | 74.2mg | P<.008 |
| a | M m | b6c gav | kid MXA | 24m24 | 137.mg * | P<.02 c |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | | | | | | |
|--|--------|--------|--------|-------|--------|-------|---------|---|-------------------------------|---------------------|--------|------|--------|------|-------------------------------|
| b | 1860o | 85.8mg | n.s.s. | 0/10 | 195.mg | 3/10 | | | | | | | | | |
| 63 | 1860r | 28.5mg | 95.5mg | 3/38 | 195.mg | 33/36 | | | | | | | | | |
| a | 1860r | 91.4mg | 358.mg | 2/38 | 195.mg | 20/36 | | | | | | | | | |
| b | 1860r | 103.mg | 402.mg | 1/38 | 195.mg | 18/36 | | | | | | | | | |
| 64 | 1860s | n.s.s. | 162.mg | 0/10 | 390.mg | 10/10 | | | | | | | | | |
| a | 1860s | n.s.s. | 162.mg | 0/10 | 390.mg | 10/10 | | | | | | | | | |
| b | 1860s | 172.mg | n.s.s. | 0/10 | 390.mg | 3/10 | | | | | | | | | |
| 65 | 1860u | n.s.s. | 106.mg | 3/38 | 390.mg | 36/36 | | | | | | | | | |
| a | 1860u | 45.8mg | 163.mg | 2/38 | 390.mg | 34/36 | | | | | | | | | |
| b | 1860u | 515.mg | n.s.s. | 1/38 | 390.mg | 7/36 | | | | | | | | | |
| HC BLUE NO. 1 (PURIFIED) 2784-94-3 | | | | | | | | | | | | | | | |
| 66 | 1860m | n.s.s. | 162.mg | 0/10 | 390.mg | 10/10 | | Burnett;fctx,25,703-707;1987/pers.comm. | | | | | | | |
| a | 1860m | 31.2mg | 277.mg | 0/10 | 390.mg | 9/10 | | | | | | | | | |
| b | 1860m | 224.mg | n.s.s. | 0/10 | 390.mg | 2/10 | | | | | | | | | |
| 67 | 1860n | 31.7mg | 141.mg | 3/38 | 390.mg | 35/36 | | | | | | | | | |
| a | 1860n | 66.1mg | 210.mg | 2/38 | 390.mg | 32/36 | | | | | | | | | |
| b | 1860n | 275.mg | 1.41gm | 1/38 | 390.mg | 14/36 | | | | | | | | | |
| BORIC ACID 10043-35-3 | | | | | | | | | | | | | | | |
| 68 | c56417 | 777.mg | n.s.s. | 25/50 | 319.mg | 27/50 | 638.mg | 26/50 | | | | | | | |
| a | c56417 | 1.77gm | n.s.s. | 5/50 | 319.mg | 4/50 | 638.mg | 6/50 | liv:hpa,hpc,nnd. | | | | | | |
| b | c56417 | 1.38gm | n.s.s. | 1/50 | 319.mg | 5/50 | 638.mg | 4/50 | lun:a/a,a/c. | | | | | | |
| 69 | c56417 | 296.mg | 27.8gm | 14/50 | 296.mg | 19/50 | 591.mg | 15/50 | liv:hpa,hpc. S | | | | | | |
| a | c56417 | 308.mg | 5.24gm | 2/50 | 296.mg | 10/50 | (591.mg | 2/50) | sub: fbs, fib, nfs, srn. S | | | | | | |
| b | c56417 | 425.mg | 45.2gm | 1/50 | 296.mg | 7/50 | (591.mg | 2/50) | sub: fbs, nfs, srn. S | | | | | | |
| c | c56417 | 500.mg | n.s.s. | 5/50 | 296.mg | 12/50 | 591.mg | 8/50 | S | | | | | | |
| d | c56417 | 218.mg | n.s.s. | 31/50 | 296.mg | 37/50 | 591.mg | 23/50 | | | | | | | |
| e | c56417 | 296.mg | 27.8gm | 14/50 | 296.mg | 19/50 | 591.mg | 15/50 | liv:hpa,hpc,nnd. | | | | | | |
| f | c56417 | 799.mg | n.s.s. | 11/50 | 296.mg | 11/50 | 591.mg | 4/50 | lun:a/a,a/c. | | | | | | |
| BROMATE, POTASSIUM*** 7758-01-2 | | | | | | | | | | | | | | | |
| 70 | 1814m | 3.08mg | 18.8mg | 0/19 | 6.25mg | 9/19 | | | Kurokawa;gann,78,358-364;1987 | | | | | | |
| a | 1814m | 3.08mg | 18.8mg | 0/19 | 6.25mg | 9/19 | | | | | | | | | |
| b | 1814m | 3.50mg | 24.7mg | 0/19 | 6.25mg | 8/19 | | | | | | | | | |
| c | 1814m | 4.57mg | 58.1mg | 0/19 | 6.25mg | 6/19 | | | | | | | | | |
| d | 1814m | 12.9mg | n.s.s. | 0/19 | 6.25mg | 1/19 | | | | | | | | | |
| 71 | 1814n | 2.42mg | 10.9mg | 0/19 | 9.38mg | 14/19 | | | | | | | | | |
| a | 1814n | 2.79mg | 12.9mg | 0/19 | 9.38mg | 13/19 | | | | | | | | | |
| b | 1814n | 5.97mg | 52.5mg | 0/19 | 9.38mg | 7/19 | | | | | | | | | |
| c | 1814n | 6.85mg | 87.2mg | 0/19 | 9.38mg | 6/19 | | | | | | | | | |
| 72 | 1814o | 3.72mg | 23.3mg | 0/19 | 12.5mg | 9/14 | | | | | | | | | |
| a | 1814o | 4.41mg | 30.2mg | 0/19 | 12.5mg | 8/14 | | | | | | | | | |
| b | 1814o | 7.26mg | 103.mg | 0/19 | 12.5mg | 5/14 | | | | | | | | | |
| c | 1814o | 7.26mg | 103.mg | 0/19 | 12.5mg | 5/14 | | | | | | | | | |
| d | 1814o | 10.7mg | n.s.s. | 0/19 | 12.5mg | 3/14 | | | | | | | | | |
| 73 | 1814r | 2.66mg | 14.9mg | 0/8 | 25.0mg | 15/26 | | | | | | | | | |
| a | 1814r | 8.84mg | n.s.s. | 0/8 | 25.0mg | 4/26 | | | | | | | | | |
| 74 | 1814s | 6.33mg | 27.2mg | 0/19 | 25.0mg | 15/20 | | | | | | | | | |
| a | 1814s | 13.3mg | 81.8mg | 0/19 | 25.0mg | 9/20 | | | | | | | | | |
| b | 1814s | 17.0mg | 156.mg | 0/19 | 25.0mg | 7/20 | | | | | | | | | |
| c | 1814s | 19.4mg | 271.mg | 0/19 | 25.0mg | 6/20 | | | | | | | | | |
| d | 1814s | 22.5mg | 895.mg | 0/19 | 25.0mg | 5/20 | | | | | | | | | |
| e | 1814s | 31.8mg | n.s.s. | 0/19 | 25.0mg | 3/20 | | | | | | | | | |
| 75 | 1851 | 17.0mg | 64.2mg | 0/20 | .900mg | 0/20 | 1.70mg | 3/20 | 3.30mg | 4/24 | 7.30mg | 2/24 | 16.0mg | 3/20 | |
| a | 1851 | 24.4mg | 82.5mg | 0/20 | .900mg | 0/20 | 1.70mg | 0/20 | 3.30mg | 1/24 | 7.30mg | 5/24 | 16.0mg | 5/20 | Kurokawa;jnci,77,977-982;1986 |
| b | 1851 | 29.4mg | 133.mg | 0/20 | .900mg | 0/20 | 1.70mg | 0/20 | 3.30mg | 1/24 | 7.30mg | 5/24 | 16.0mg | 5/20 | |
| c | 1851 | 39.3mg | 199.mg | 0/16 | .900mg | 0/19 | 1.70mg | 0/20 | 3.30mg | 1/24 | 7.30mg | 0/24 | 16.0mg | 3/20 | |
| d | 1851 | 98.7mg | 2.93gm | 0/20 | .900mg | 0/20 | 1.70mg | 0/20 | 3.30mg | 0/24 | 7.30mg | 0/24 | 16.0mg | 0/20 | |
| e | 1851 | 19.1mg | n.s.s. | 2/20 | .900mg | 0/20 | 1.70mg | 4/20 | 3.30mg | 7/24 | 7.30mg | 0/24 | 16.0mg | 6/20 | |
| BROMODICHLOROMETHANE*** (dichlorobromomethane) 75-27-4 | | | | | | | | | | | | | | | |
| 76 | c55243 | 18.6mg | 52.2mg | 3/50 | 52.0mg | 18/50 | 104.mg | 29/50 | | liv:hpa,hpc. | | | | | |
| a | c55243 | 22.8mg | 65.0mg | 1/50 | 52.0mg | 13/50 | 104.mg | 23/50 | | | | | | | |
| b | c55243 | 69.9mg | 734.mg | 2/50 | 52.0mg | 5/50 | 104.mg | 10/50 | | | | | | | |
| c | c55243 | 47.5mg | n.s.s. | 2/50 | 52.0mg | 7/50 | (104.mg | 1/50) | | mul:mlh; spl:mlh. S | | | | | |
| d | c55243 | 26.3mg | n.s.s. | 34/50 | 52.0mg | 31/50 | 104.mg | 35/50 | | | | | | | |
| e | c55243 | 18.6mg | 52.2mg | 3/50 | 52.0mg | 18/50 | 104.mg | 29/50 | | liv:hpa,hpc,nnd. | | | | | |
| f | c55243 | 176.mg | n.s.s. | 1/50 | 52.0mg | 2/50 | 104.mg | 3/50 | | lun:a/a,a/c. | | | | | |
| 77 | c55243 | 28.1mg | 1.51gm | 0/50 | 17.5mg | 5/50 | (35.0mg | 3/50) | | S | | | | | |
| a | c55243 | 61.8mg | n.s.s. | 1/50 | 17.5mg | 2/50 | 35.0mg | 9/50 | | kid:tla,uac. | | | | | |

| Spe | Strain | Site | Xpo+Xpt | | | TD50 | 2Tailpvl |
|------------------------------------|--------|------|---------|-----|-----|---|-------------------------|
| Sex | Route | Hist | Notes | | | DR | AuOp |
| b | M m | b6c | gav | kid | tla | 24m24 | 215.mg * P<.09 c |
| c | M m | b6c | gav | kid | uac | 24m24 | 336.mg * P<.03 c |
| d | M m | b6c | gav | TBA | MXB | 24m24 | no dre P=1. |
| e | M m | b6c | gav | liv | MXB | 24m24 | no dre P=1. |
| f | M m | b6c | gav | lun | MXB | 24m24 | no dre P=1. |
| 78 | R f | f34 | gav | MXB | MXB | 24m24 | : + : 84.8mg / P<.0005 |
| a | R f | f34 | gav | kid | MXA | 24m24 | 143.mg * P<.0005c |
| b | R f | f34 | gav | col | MXA | 24m24 | 200.mg / P<.0005c |
| c | R f | f34 | gav | kid | uac | 24m24 | 272.mg * P<.002 c |
| d | R f | f34 | gav | kid | tla | 24m24 | 351.mg * P<.008 c |
| e | R f | f34 | gav | col | apn | 24m24 | 364.mg * P<.004 c |
| f | R f | f34 | gav | col | acn | 24m24 | 411.mg * P<.007 c |
| g | R f | f34 | gav | TBA | MXB | 24m24 | no dre P=1. |
| h | R f | f34 | gav | liv | MXB | 24m24 | no dre P=1. |
| 79 | R m | f34 | gav | MXB | MXB | 24m24 | :+ : 30.3mg / P<.0005 |
| a | R m | f34 | gav | MXA | MXA | 24m24 | 30.7mg / P<.0005c |
| b | R m | f34 | gav | MXA | MXA | 24m24 | 35.6mg / P<.0005c |
| c | R m | f34 | gav | MXA | MXA | 24m24 | 55.6mg / P<.0005c |
| d | R m | f34 | gav | kid | MXA | 24m24 | 152.mg / P<.0005c |
| e | R m | f34 | gav | kid | uac | 24m24 | 213.mg / P<.0005c |
| f | R m | f34 | gav | tnv | men | 24m24 | 350.mg * P<.05 |
| g | R m | f34 | gav | lun | MXA | 24m24 | 366.mg * P<.02 |
| h | R m | f34 | gav | lun | a/a | 24m24 | 447.mg * P<.05 |
| i | R m | f34 | gav | kid | tla | 24m24 | 583.mg * P<.05 c |
| j | R m | f34 | gav | TBA | MXB | 24m24 | 267.mg * P<.7 |
| k | R m | f34 | gav | liv | MXB | 24m24 | 747.mg * P<.2 |
| BROMOETHANE | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 80 | M f | b6c | inh | ute | MXA | 24m24 | : + : 535.mg Z P<.0005c |
| a | M f | b6c | inh | ute | MXA | 24m24 | 596.mg Z P<.0005 |
| b | M f | b6c | inh | ute | MXA | 24m24 | 681.mg Z P<.0005 |
| c | M f | b6c | inh | ute | acn | 24m24 | 822.mg Z P<.0005 |
| d | M f | b6c | inh | ute | adn | 24m24 | 2.61gm * P<.002 |
| e | M f | b6c | inh | ute | sqc | 24m24 | 4.44gm * P<.03 |
| f | M f | b6c | inh | TBA | MXB | 24m24 | 571.mg * P<.009 |
| g | M f | b6c | inh | liv | MXB | 24m24 | no dre P=1. |
| h | M f | b6c | inh | lun | MXB | 24m24 | 5.81gm * P<.5 |
| 81 | M m | b6c | inh | lun | MXA | 24m24 | : ± 1.10gm * P<.03 e |
| a | M m | b6c | inh | lun | a/c | 24m24 | 2.39gm * P<.04 |
| b | M m | b6c | inh | TBA | MXB | 24m24 | 1.63gm * P<.5 |
| c | M m | b6c | inh | liv | MXB | 24m24 | 3.67gm * P<.7 |
| d | M m | b6c | inh | lun | MXB | 24m24 | 1.10gm * P<.03 |
| 82 | R f | f34 | inh | bra | gln | 24m25 | : ± 1.02gm * P<.05 e |
| a | R f | f34 | inh | lun | a/a | 24m25 | 1.28gm * P<.03 e |
| b | R f | f34 | inh | TBA | MXB | 24m25 | no dre P=1. |
| c | R f | f34 | inh | liv | MXB | 24m25 | 670.mg Z P<.3 |
| 83 | R m | f34 | inh | liv | nnd | 24m25 | : ± 1.14gm * P<.03 |
| a | R m | f34 | inh | amd | MXA | 24m25 | 149.mg * P<.2 p |
| b | R m | f34 | inh | MXB | MXB | 24m25 | 151.mg Z P<.2 |
| c | R m | f34 | inh | lun | MXA | 24m25 | +hist 582.mg * P<.2 p |
| d | R m | f34 | inh | bra | gcl | 24m25 | +hist 80.7gm * P<.1 p |
| e | R m | f34 | inh | bra | MXA | 24m25 | +hist no dre P=1. p |
| f | R m | f34 | inh | TBA | MXB | 24m25 | no dre P=1. |
| g | R m | f34 | inh | liv | MXB | 24m25 | 2.28gm Z P<.6 |
| 1,3-BUTADIENE*** | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 84 | R f | cdr | inh | mgl | mix | 24m24 e | . + . 133.mg P<.0005+ |
| a | R f | cdr | inh | mgl | ben | 24m24 e | 182.mg P<.0005 |
| b | R f | cdr | inh | thy | fca | 24m24 e | 8.27gm * P<.0005 |
| c | R f | cdr | inh | mgl | mal | 24m24 e | 7.72gm * P<.07 |
| d | R f | cdr | inh | tba | tum | 24m24 e | no dre P=1. |
| 85 | R m | cdr | inh | tes | ldc | 26m26 e | . + 7.55gm * P<.003 + |
| a | R m | cdr | inh | pan | exa | 26m26 e | 9.31gm * P<.006 |
| b | R m | cdr | inh | tba | tum | 26m26 e | 1.47gm * P<.08 |
| BUTYLATED HYDROXYANISOLE*** | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 86 | R m | f34 | eat | for | car | 6m24 e | .> no dre P=1. |
| a | R m | f34 | eat | for | pam | 6m24 e | no dre P=1. |
| b | R m | f34 | eat | liv | tum | 6m24 e | no dre P=1. |
| 87 | R m | f34 | eat | for | sqc | 12m24 e | . ± 4.06gm P<.04 + |
| a | R m | f34 | eat | fls | pam | 12m24 e | 4.06gm P<.04 |
| b | R m | f34 | eat | fgr | pam | 12m24 e | 12.5gm P<.3 |
| c | R m | f34 | eat | liv | tum | 12m24 e | no dre P=1. |
| 88 | R m | f34 | eat | fgr | pam | 24m24 e | . + . 298.mg P<.0005 |
| a | R m | f34 | eat | fls | pam | 24m24 e | 298.mg P<.0005 |
| b | R m | f34 | eat | for | sqc | 24m24 e | 7.76gm P<.04 + |
| c | R m | f34 | eat | liv | tum | 24m24 e | no dre P=1. |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--|--------|---------------|--------|--------|--------|---------|---------|--|--|
| b | c55243 | 80.4mg n.s.s. | 1/50 | 17.5mg | 2/50 | 35.0mg | 6/50 | | |
| c | c55243 | 116.mg n.s.s. | 0/50 | 17.5mg | 0/50 | 35.0mg | 4/50 | | |
| d | c55243 | 42.5mg n.s.s. | 38/50 | 17.5mg | 36/50 | 35.0mg | 35/50 | | |
| e | c55243 | 51.4mg n.s.s. | 17/50 | 17.5mg | 16/50 | 35.0mg | 20/50 | liv:hpa,hpc,nnnd. | |
| f | c55243 | 158.mg n.s.s. | 12/50 | 17.5mg | 3/50 | 35.0mg | 7/50 | lun:a/a,a/c. | |
| 78 | c55243 | 52.7mg 150.mg | 0/50 | 34.7mg | 1/50 | 70.1mg | 24/50 | col:acn,apn; kid:tla,uac. | C |
| a | c55243 | 79.8mg 294.mg | 0/50 | 34.7mg | 1/50 | 70.1mg | 15/50 | kid:tla,uac. | |
| b | c55243 | 103.mg 505.mg | 0/50 | 34.7mg | 0/50 | 70.1mg | 12/50 | col:acn,apn. | |
| c | c55243 | 128.mg 934.mg | 0/50 | 34.7mg | 0/50 | 70.1mg | 9/50 | | |
| d | c55243 | 152.mg 5.11gm | 0/50 | 34.7mg | 1/50 | 70.1mg | 6/50 | | |
| e | c55243 | 157.mg 2.04gm | 0/50 | 34.7mg | 0/50 | 70.1mg | 7/50 | | |
| f | c55243 | 168.mg 4.92gm | 0/50 | 34.7mg | 0/50 | 70.1mg | 6/50 | | |
| g | c55243 | 73.5mg n.s.s. | 48/50 | 34.7mg | 43/50 | 70.1mg | 43/50 | | |
| h | c55243 | 303.mg n.s.s. | 1/50 | 34.7mg | 3/50 | 70.1mg | 1/50 | liv:hpa,hpc,nnnd. | |
| 79 | c55243 | 21.7mg 43.8mg | 0/50 | 35.0mg | 13/50 | 70.1mg | 46/50 | col:acn,apn; kid:tla,uac; rec:acn,apn. | C |
| a | c55243 | 22.0mg 44.5mg | 0/50 | 35.0mg | 13/50 | 70.1mg | 45/50 | col:acn,apn; rec:acn,apn. | |
| b | c55243 | 24.9mg 53.3mg | 0/50 | 35.0mg | 11/50 | 70.1mg | 38/50 | col:acn; rec:acn. | |
| c | c55243 | 36.8mg 89.2mg | 0/50 | 35.0mg | 3/50 | 70.1mg | 33/50 | col:apn; rec:apn. | |
| d | c55243 | 81.6mg 345.mg | 0/50 | 35.0mg | 1/50 | 70.1mg | 13/50 | kid:tla,uac. | |
| e | c55243 | 103.mg 603.mg | 0/50 | 35.0mg | 0/50 | 70.1mg | 10/50 | | |
| f | c55243 | 143.mg n.s.s. | 0/50 | 35.0mg | 3/50 | 70.1mg | 3/50 | | S |
| g | c55243 | 149.mg n.s.s. | 0/50 | 35.0mg | 2/50 | 70.1mg | 4/50 | lun:a/a,a/c. | S |
| h | c55243 | 169.mg n.s.s. | 0/50 | 35.0mg | 2/50 | 70.1mg | 3/50 | | S |
| i | c55243 | 201.mg n.s.s. | 0/50 | 35.0mg | 1/50 | 70.1mg | 3/50 | | |
| j | c55243 | 37.0mg n.s.s. | 43/50 | 35.0mg | 41/50 | 70.1mg | 47/50 | | |
| k | c55243 | 207.mg n.s.s. | 1/50 | 35.0mg | 0/50 | 70.1mg | 4/50 | liv:hpa,hpc,nnnd. | |
| BROMOETHANE (ethyl bromide) 74-96-4 | | | | | | | | | |
| 80 | c55481 | 356.mg 855.mg | 0/50 | 137.mg | 4/50 | 275.mg | 5/50 | 550.mg 27/50 | ute:acn,adn,sgc. |
| a | c55481 | 387.mg 981.mg | 0/50 | 137.mg | 3/50 | 275.mg | 4/50 | 550.mg 25/50 | ute:acn,adn. S |
| b | c55481 | 434.mg 1.15gm | 0/50 | 137.mg | 3/50 | 275.mg | 4/50 | 550.mg 22/50 | ute:acn,sgc. S |
| c | c55481 | 503.mg 1.47gm | 0/50 | 137.mg | 2/50 | 275.mg | 3/50 | 550.mg 19/50 | S |
| d | c55481 | 1.17gm 11.3gm | 0/50 | 137.mg | 1/50 | 275.mg | 1/50 | 550.mg 6/50 | S |
| e | c55481 | 1.67gm n.s.s. | 0/50 | 137.mg | 1/50 | 275.mg | 1/50 | 550.mg 3/50 | S |
| f | c55481 | 275.mg 16.5gm | 27/50 | 137.mg | 24/50 | 275.mg | 29/50 | 550.mg 37/50 | |
| g | c55481 | 1.47gm n.s.s. | 5/50 | 137.mg | 6/50 | 275.mg | 6/50 | 550.mg 3/50 | liv:hpa,hpc,nnnd. |
| h | c55481 | 1.19gm n.s.s. | 6/50 | 137.mg | 3/50 | 275.mg | 5/50 | 550.mg 6/50 | lun:a/a,a/c. |
| 81 | c55481 | 481.mg n.s.s. | 7/50 | 115.mg | 6/50 | 229.mg | 12/50 | 458.mg 15/50 | lun:a/a,a/c. |
| a | c55481 | 965.mg n.s.s. | 2/50 | 115.mg | 0/50 | 229.mg | 5/50 | 458.mg 6/50 | S |
| b | c55481 | 328.mg n.s.s. | 30/50 | 115.mg | 30/50 | 229.mg | 34/50 | 458.mg 33/50 | |
| c | c55481 | 537.mg n.s.s. | 21/50 | 115.mg | 18/50 | 229.mg | 20/50 | 458.mg 22/50 | liv:hpa,hpc,nnnd. |
| d | c55481 | 481.mg n.s.s. | 7/50 | 115.mg | 6/50 | 229.mg | 12/50 | 458.mg 15/50 | lun:a/a,a/c. |
| 82 | c55481 | 373.mg n.s.s. | 0/50 | 32.7mg | 1/50 | 65.5mg | 1/50 | 131.mg 3/50 | |
| a | c55481 | 388.mg n.s.s. | 0/50 | 32.7mg | 0/50 | 65.5mg | 0/50 | 131.mg 3/50 | |
| b | c55481 | 99.5mg n.s.s. | 49/50 | 32.7mg | 46/50 | 65.5mg | 40/50 | 131.mg 44/50 | |
| c | c55481 | 178.mg n.s.s. | 1/50 | 32.7mg | 0/50 | 65.5mg | 4/50 | (131.mg 0/50) | liv:hpa,hpc,nnnd. |
| 83 | c55481 | 339.mg n.s.s. | 0/50 | 22.9mg | 0/50 | 45.8mg | 0/50 | 91.7mg 3/50 | S |
| a | c55481 | 49.7mg n.s.s. | 8/50 | 22.9mg | 23/50 | 45.8mg | 18/50 | 91.7mg 21/50 | amd:phe,phm. |
| b | c55481 | 47.4mg n.s.s. | 8/50 | 22.9mg | 28/50 | 45.8mg | 21/50 | 91.7mg 22/50 | amd:phe,phm; bra:ast,gcl,gln,oli; lun:a/a,a/c. P |
| c | c55481 | 219.mg n.s.s. | 0/50 | 22.9mg | 0/50 | 45.8mg | 4/50 | 91.7mg 1/50 | lun:a/a,a/c. |
| d | c55481 | 259.mg n.s.s. | 0/50 | 22.9mg | 3/50 | 45.8mg | 1/50 | 91.7mg 1/50 | |
| e | c55481 | 557.mg n.s.s. | 0/50 | 22.9mg | 3/50 | 45.8mg | 0/50 | 91.7mg 0/50 | bra:ast,gln,oli. |
| f | c55481 | 63.2mg n.s.s. | 43/50 | 22.9mg | 47/50 | 45.8mg | 47/50 | 91.7mg 43/50 | |
| g | c55481 | 358.mg n.s.s. | 2/50 | 22.9mg | 0/50 | 45.8mg | 0/50 | 91.7mg 3/50 | liv:hpa,hpc,nnnd. |
| 1,3-BUTADIENE*** 106-99-0 | | | | | | | | | |
| 84 | 1829 | 78.0mg 341.mg | 50/100 | 166.mg | 79/100 | (1.32gm | 81/100) | | Owen;amih,48,407-413;1987 |
| a | 1829 | 110.mg 428.mg | 32/100 | 166.mg | 64/100 | (1.32gm | 55/100) | | |
| b | 1829 | 4.26gm 24.8gm | 0/100 | 166.mg | 2/100 | 1.32gm | 10/100 | | |
| c | 1829 | 2.91gm n.s.s. | 18/100 | 166.mg | 15/100 | 1.32gm | 26/100 | | |
| d | 1829 | 893.mg n.s.s. | 97/100 | 166.mg | 98/100 | 1.32gm | 94/100 | | |
| 85 | 1829 | 3.58gm 52.9gm | 0/100 | 116.mg | 3/100 | 927.mg | 8/100 | | |
| a | 1829 | 3.98gm 136.gm | 3/100 | 116.mg | 1/100 | 927.mg | 10/100 | | |
| b | 1829 | 550.mg n.s.s. | 84/100 | 116.mg | 70/100 | 927.mg | 87/100 | | |
| BUTYLATED HYDROXYANISOLE*** (BHA, 2(3)-tert-butyl-4-hydroxyanisole) 25013-16-5 | | | | | | | | | |
| 86 | 1902m | 2.06gm n.s.s. | 0/50 | 200.mg | 0/50 | | | | Nera;txcy,53,251-268;1988 |
| a | 1902m | 2.06gm n.s.s. | 0/50 | 200.mg | 0/50 | | | | |
| b | 1902m | 2.06gm n.s.s. | 0/50 | 200.mg | 0/50 | | | | |
| 87 | 1902n | 1.23gm n.s.s. | 0/50 | 400.mg | 3/46 | | | | |
| a | 1902n | 1.23gm n.s.s. | 0/50 | 400.mg | 3/46 | | | | |
| b | 1902n | 2.03gm n.s.s. | 0/50 | 400.mg | 1/46 | | | | |
| c | 1902n | 3.79gm n.s.s. | 0/50 | 400.mg | 0/46 | | | | |
| 88 | 1902o | 186.mg 495.mg | 0/50 | 800.mg | 37/44 | | | | |
| a | 1902o | 186.mg 495.mg | 0/50 | 800.mg | 37/44 | | | | |
| b | 1902o | 2.35gm n.s.s. | 0/50 | 800.mg | 3/44 | | | | |
| c | 1902o | 7.25gm n.s.s. | 0/50 | 800.mg | 0/44 | | | | |

| Spe | Strain | Site | Xpo+Xpt | | | | | | | | TD50 | 2Tailpvl |
|-----------------------------|--------|---------|---------|--|--|---|----|---|--|--|----------|----------|
| Sex | Route | Hist | Notes | | | | | | | | DR | AuOp |
| 89 | R m | f3d eat | for mix | 52w52 | | . | ± | | | | 1.30gm * | P<.08 |
| a | R m | f3d eat | for pam | 52w52 | | | | | | | 1.99gm * | P<.2 - |
| b | R m | f3d eat | for sqc | 52w52 | | | | | | | 4.04gm * | P<.4 - |
| c | R m | f3d eat | liv tum | 52w52 | | | | | | | no dre | P=1. - |
| 90 | R m | f3d eat | eso tum | 52w52 er | | . | > | | | | no dre | P=1. - |
| a | R m | f3d eat | for tum | 52w52 er | | | | | | | no dre | P=1. - |
| b | R m | f3d eat | liv tum | 52w52 er | | | | | | | no dre | P=1. - |
| BUTYLATED HYDROXYTOLUENE*** | | | | 100ng.....1ug......10......100......1mg......10......100......1g......10 | | | | | | | | |
| 91 | M f | b6c eat | lun a/c | 24m28 e | | | | | | | 71.3gm * | P<.6 |
| a | M f | b6c eat | liv hem | 24m28 e | | | | | | | 126.gm * | P<.3 |
| b | M f | b6c eat | liv hpc | 24m28 e | | | | | | | no dre | P=1. |
| c | M f | b6c eat | liv hpa | 24m28 e | | | | | | | no dre | P=1. |
| d | M f | b6c eat | lun a/a | 24m28 e | | | | | | | no dre | P=1. |
| e | M f | b6c eat | liv hct | 24m28 e | | | | | | | no dre | P=1. - |
| f | M f | b6c eat | tba tum | 24m28 e | | | | | | | no dre | P=1. |
| 92 | M m | b6c eat | liv hpa | 24m28 e | | . | + | | | | 3.45gm * | P<.003 |
| a | M m | b6c eat | liv hct | 24m28 e | | | | | | | 2.90gm * | P<.02 + |
| b | M m | b6c eat | lun a/a | 24m28 e | | | | | | | 18.5gm * | P<.3 |
| c | M m | b6c eat | liv ang | 24m28 e | | | | | | | 128.gm * | P<.3 |
| d | M m | b6c eat | liv hpc | 24m28 e | | | | | | | no dre | P=1. |
| e | M m | b6c eat | liv hem | 24m28 e | | | | | | | no dre | P=1. |
| f | M m | b6c eat | lun a/c | 24m28 e | | | | | | | no dre | P=1. |
| g | M m | b6c eat | tba tum | 24m28 e | | | | | | | no dre | P=1. |
| 93 | R m | f3d eat | eso tum | 52w52 er | | . | > | | | | no dre | P=1. - |
| a | R m | f3d eat | for tum | 52w52 er | | | | | | | no dre | P=1. - |
| b | R m | f3d eat | liv tum | 52w52 er | | | | | | | no dre | P=1. - |
| CADMIUM CHLORIDE | | | | 100ng.....1ug......10......100......1mg......10......100......1g......10 | | | | | | | | |
| 94 | R m | wis inh | lun car | 18m31 eo | | . | + | | | | 12.7ug * | P<.0005+ |
| a | R m | wis inh | lun adc | 18m31 eo | | | | | | | 22.0ug * | P<.0005 |
| b | R m | wis inh | lun epc | 18m31 eo | | | | | | | 58.8ug * | P<.0005 |
| c | R m | wis inh | lun mec | 18m31 eo | | | | | | | .315mg * | P<.03 |
| d | R m | wis inh | lun ade | 18m31 eo | | | | | | | .563mg * | P<.5 |
| e | R m | wis inh | adr pbm | 18m31 eo | | | | | | | .591mg * | P<.8 |
| CATECHOL*** | | | | 100ng.....1ug......10......100......1mg......10......100......1g......10 | | | | | | | | |
| 95 | R m | f3d eat | stg ade | 51w52 rv | | | <+ | | | | noTD50 | P<.0005 |
| a | R m | f3d eat | stg adc | 51w52 rv | | | | | | | 257.mg | P<.07 + |
| b | R m | f3d eat | for pam | 51w52 rv | | | | | | | 833.mg | P<.4 |
| p-CHLOROANILINE.HCl | | | | 100ng.....1ug......10......100......1mg......10......100......1g......10 | | | | | | | | |
| 96 | M f | b6c gav | TBA MXB | 24m24 | | . | > | | | | no dre | P=1. - |
| a | M f | b6c gav | liv MXB | 24m24 | | | | | | | 176.mg * | P<.5 |
| b | M f | b6c gav | lun MXB | 24m24 | | | | | | | no dre | P=1. |
| 97 | M m | b6c gav | liv hpc | 24m24 | | . | + | : | | | 33.8mg * | P<.002 |
| a | M m | b6c gav | --- hes | 24m24 | | | | | | | 89.5mg * | P<.04 p |
| b | M m | b6c gav | liv MXA | 24m24 | | | | | | | 49.3mg * | P<.2 p |
| c | M m | b6c gav | MXB MXB | 24m24 | | | | | | | 56.0mg * | P<.2 |
| d | M m | b6c gav | TBA MXB | 24m24 | | | | | | | 83.7mg * | P<.6 |
| e | M m | b6c gav | liv MXB | 24m24 | | | | | | | 49.3mg * | P<.2 |
| f | M m | b6c gav | lun MXB | 24m24 | | | | | | | 2.78gm * | P<.1 |
| 98 | R f | f34 gav | amd pob | 24m24 | | . | > | | | | 105.mg * | P<.2 e |
| a | R f | f34 gav | spl MXA | 24m24 | | | | | | | 232.mg * | P<.3 e |
| b | R f | f34 gav | TBA MXB | 24m24 | | | | | | | 145.mg Z | P<.9 |
| c | R f | f34 gav | liv MXB | 24m24 | | | | | | | no dre | P=1. |
| 99 | R m | f34 gav | spl MXA | 24m24 | | . | + | : | | | 7.62mg Z | P<.0005c |
| a | R m | f34 gav | spl MXA | 24m24 | | | | | | | 7.90mg Z | P<.0005 |
| b | R m | f34 gav | amd MXA | 24m24 | | | | | | | 13.3mg Z | P<.009 e |
| c | R m | f34 gav | spl ost | 24m24 | | | | | | | 15.5mg Z | P<.0005 |
| d | R m | f34 gav | spl MXA | 24m24 | | | | | | | 16.9mg * | P<.0005 |
| e | R m | f34 gav | spl fbs | 24m24 | | | | | | | 19.0mg * | P<.0005 |
| f | R m | f34 gav | spl hes | 24m24 | | | | | | | 107.mg * | P<.005 |
| g | R m | f34 gav | amd MXA | 24m24 | | | | | | | 14.8mg Z | P<.02 |
| h | R m | f34 gav | TBA MXB | 24m24 | | | | | | | 20.8mg Z | P<.4 |
| i | R m | f34 gav | liv MXB | 24m24 | | | | | | | no dre | P=1. |
| CHLORODIFLUOROMETHANE | | | | 100ng.....1ug......10......100......1mg......10......100......1g......10 | | | | | | | | |
| 100 | M f | swi inh | lun ade | 18m24 | | | | | | | no dre | P=1. - |
| a | M f | swi inh | tba mal | 18m24 | | | | | | | no dre | P=1. - |
| b | M f | swi inh | tba mix | 18m24 | | | | | | | no dre | P=1. - |
| 101 | M m | swi inh | lun ade | 18m24 | | | | | | | no dre | P=1. - |
| a | M m | swi inh | tba mix | 18m24 | | | | | | | no dre | P=1. - |
| b | M m | swi inh | tba mal | 18m24 | | | | | | | 98.3gm * | P<.8 - |
| 102 | R f | sda inh | liv ang | 24m24 | | | | | | | no dre | P=1. - |
| a | R f | sda inh | tba mix | 24m24 | | | | | | | 26.0gm * | P<.1. - |
| b | R f | sda inh | tba mal | 24m24 | | | | | | | 20.1gm * | P<.8 - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | |
|--|--------|---------------|-------|--------|-------|--------|-------|--|------------|-------|
| 89 | 1883 | 393.mg n.s.s. | 0/10 | 400.mg | 0/20 | 800.mg | 3/20 | Hasegawa;gann,79,320-328;1988/pers.comm. | | |
| a | 1883 | 488.mg n.s.s. | 0/10 | 400.mg | 0/20 | 800.mg | 2/20 | | | |
| b | 1883 | 658.mg n.s.s. | 0/10 | 400.mg | 0/20 | 800.mg | 1/20 | | | |
| c | 1883 | 275.mg n.s.s. | 0/10 | 400.mg | 0/20 | 800.mg | 0/20 | | | |
| 90 | 1900 | 206.mg n.s.s. | 0/10 | 400.mg | 0/15 | 800.mg | 0/15 | Hirose;carc,8,1731-1735;1987/pers.comm. | | |
| a | 1900 | 206.mg n.s.s. | 0/10 | 400.mg | 0/15 | 800.mg | 0/15 | | | |
| b | 1900 | 206.mg n.s.s. | 0/10 | 400.mg | 0/15 | 800.mg | 0/15 | | | |
| BUTYLATED HYDROXYTOLUENE*** (BHT, 2,6-DI-tert-butyl-p-cresol) 128-37-0 | | | | | | | | | | |
| 91 | 1882 | 12.3gm n.s.s. | 1/41 | 1.13gm | 2/44 | 2.25gm | 2/40 | Inai;gann,79,49-58;1988 | | |
| a | 1882 | 20.6gm n.s.s. | 0/41 | 1.13gm | 0/44 | 2.25gm | 1/40 | | | |
| b | 1882 | 29.7gm n.s.s. | 2/41 | 1.13gm | 1/44 | 2.25gm | 0/40 | | | |
| c | 1882 | 13.0gm n.s.s. | 5/41 | 1.13gm | 7/44 | 2.25gm | 2/40 | | | |
| d | 1882 | 16.4gm n.s.s. | 4/41 | 1.13gm | 5/44 | 2.25gm | 1/40 | | | |
| e | 1882 | 14.6gm n.s.s. | 7/41 | 1.13gm | 8/44 | 2.25gm | 2/40 | | | |
| f | 1882 | 6.04gm n.s.s. | 35/41 | 1.13gm | 33/44 | 2.25gm | 22/40 | | | |
| 92 | 1882 | 1.90gm 17.7gm | 6/32 | 1.04gm | 16/42 | 2.08gm | 25/47 | Hirose;carc,8,1731-1735;1987/pers.comm. | | |
| a | 1882 | 1.42gm n.s.s. | 12/32 | 1.04gm | 26/42 | 2.08gm | 31/47 | | | |
| b | 1882 | 5.38gm n.s.s. | 4/32 | 1.04gm | 6/42 | 2.08gm | 10/47 | | | |
| c | 1882 | 20.9gm n.s.s. | 0/32 | 1.04gm | 0/42 | 2.08gm | 1/47 | | | |
| d | 1882 | 7.51gm n.s.s. | 7/32 | 1.04gm | 11/42 | 2.08gm | 8/47 | | | |
| e | 1882 | 21.5gm n.s.s. | 4/32 | 1.04gm | 3/42 | 2.08gm | 1/47 | | | |
| f | 1882 | 19.0gm n.s.s. | 1/32 | 1.04gm | 3/42 | 2.08gm | 0/47 | | | |
| g | 1882 | 1.72gm n.s.s. | 27/32 | 1.04gm | 36/42 | 2.08gm | 38/47 | | | |
| 93 | 1900 | 144.mg n.s.s. | 0/10 | 280.mg | 0/10 | | | | | |
| a | 1900 | 144.mg n.s.s. | 0/10 | 280.mg | 0/10 | | | | | |
| b | 1900 | 144.mg n.s.s. | 0/10 | 280.mg | 0/10 | | | | | |
| CADMIUM CHLORIDE 10108-64-2 | | | | | | | | | | |
| 94 | 1907 | 8.89ug 18.8ug | 0/38 | 3.34ug | 6/39 | 6.68ug | 20/38 | Takenaka;jnci,70,367-373;1983 | | |
| a | 1907 | 14.6ug 35.9ug | 0/38 | 3.34ug | 4/39 | 6.68ug | 16/38 | | 13.4ug | 15/35 |
| b | 1907 | 32.3ug .158mg | 0/38 | 3.34ug | 2/39 | 6.68ug | 5/38 | | 13.4ug | 8/35 |
| c | 1907 | 95.5ug n.s.s. | 0/38 | 3.34ug | 0/39 | 6.68ug | 0/38 | | 13.4ug | 3/35 |
| d | 1907 | .118mg n.s.s. | 0/38 | 3.34ug | 1/39 | 6.68ug | 0/38 | | 13.4ug | 1/35 |
| e | 1907 | 49.7ug n.s.s. | 2/38 | 3.34ug | 8/39 | 6.68ug | 4/38 | 13.4ug | 4/35 | |
| CATECHOL*** (1,2-dihydroxybenzene)*** 120-80-9 | | | | | | | | | | |
| 95 | 1845 | n.s.s. 35.6mg | 0/10 | 335.mg | | | | Hirose;gann,78,1144-1149;1987/pers.comm. | | |
| a | 1845 | 77.6mg n.s.s. | 0/10 | 335.mg | | | | | | |
| b | 1845 | 135.mg n.s.s. | 0/10 | 335.mg | | | | | | |
| p-CHLOROANILINE.HCl 20265-96-7 | | | | | | | | | | |
| 96 | c02038 | 28.9mg n.s.s. | 36/50 | 2.11mg | 26/50 | 7.04mg | 21/50 | 21.1mg | 31/50 | |
| a | c02038 | 33.4mg n.s.s. | 6/50 | 2.11mg | 9/50 | 7.04mg | 8/50 | 21.1mg | 11/50 | |
| b | c02038 | 88.7mg n.s.s. | 6/50 | 2.11mg | 2/50 | 7.04mg | 1/50 | 21.1mg | 4/50 | |
| 97 | c02038 | 17.3mg 146.mg | 3/50 | 2.11mg | 7/50 | 7.04mg | 11/50 | 21.1mg | 17/50 | |
| a | c02038 | 33.5mg n.s.s. | 4/50 | 2.11mg | 4/50 | 7.04mg | 1/50 | 21.1mg | 10/50 | |
| b | c02038 | 16.4mg n.s.s. | 11/50 | 2.11mg | 21/50 | 7.04mg | 20/50 | 21.1mg | 21/50 | |
| c | c02038 | 16.8mg n.s.s. | 14/50 | 2.11mg | 24/50 | 7.04mg | 21/50 | 21.1mg | 23/50 | |
| d | c02038 | 14.6mg n.s.s. | 40/50 | 2.11mg | 30/50 | 7.04mg | 35/50 | 21.1mg | 36/50 | |
| e | c02038 | 16.4mg n.s.s. | 11/50 | 2.11mg | 21/50 | 7.04mg | 20/50 | 21.1mg | 21/50 | |
| f | c02038 | 43.1mg n.s.s. | 8/50 | 2.11mg | 5/50 | 7.04mg | 7/50 | 21.1mg | 6/50 | |
| 98 | c02038 | 29.5mg n.s.s. | 2/50 | 1.40mg | 3/50 | 4.20mg | 1/50 | 12.6mg | 6/50 | |
| a | c02038 | 57.0mg n.s.s. | 0/50 | 1.40mg | 0/50 | 4.20mg | 1/50 | 12.6mg | 1/50 | |
| b | c02038 | 10.8mg n.s.s. | 37/50 | 1.40mg | 30/50 | 4.20mg | 34/50 | 12.6mg | 40/50 | |
| c | c02038 | 130.mg n.s.s. | 1/50 | 1.40mg | 1/50 | 4.20mg | 0/50 | 12.6mg | 0/50 | |
| 99 | c02038 | 5.14mg 11.8mg | 0/49 | 1.40mg | 1/50 | 4.20mg | 3/50 | 12.6mg | 38/50 | |
| a | c02038 | 5.28mg 12.4mg | 0/49 | 1.40mg | 1/50 | 4.20mg | 3/50 | 12.6mg | 36/50 | |
| b | c02038 | 6.01mg 494.mg | 13/49 | 1.40mg | 14/50 | 4.20mg | 15/50 | 12.6mg | 26/50 | |
| c | c02038 | 9.01mg 29.7mg | 0/49 | 1.40mg | 0/50 | 4.20mg | 1/50 | 12.6mg | 19/50 | |
| d | c02038 | 10.1mg 31.2mg | 0/49 | 1.40mg | 1/50 | 4.20mg | 2/50 | 12.6mg | 19/50 | |
| e | c02038 | 11.0mg 36.3mg | 0/49 | 1.40mg | 1/50 | 4.20mg | 2/50 | 12.6mg | 17/50 | |
| f | c02038 | 36.3mg 1.04gm | 0/49 | 1.40mg | 0/50 | 4.20mg | 0/50 | 12.6mg | 4/50 | |
| g | c02038 | 6.47mg n.s.s. | 13/49 | 1.40mg | 14/50 | 4.20mg | 14/50 | 12.6mg | 25/50 | |
| h | c02038 | 5.46mg n.s.s. | 42/49 | 1.40mg | 42/50 | 4.20mg | 39/50 | 12.6mg | 48/50 | |
| i | c02038 | 42.8mg n.s.s. | 1/49 | 1.40mg | 6/50 | 4.20mg | 5/50 | 12.6mg | 0/50 | |
| CHLORODIFLUOROMETHANE (fluorocarbon 22) 75-45-6 | | | | | | | | | | |
| 100 | bt606 | 30.0gm n.s.s. | 2/60 | 556.mg | 3/60 | 2.78gm | 0/60 | Maltoni;anya,534,261-282;1988 | | |
| a | bt606 | 8.72gm n.s.s. | 12/60 | 556.mg | 13/60 | 2.78gm | 11/60 | | | |
| b | bt606 | 10.4gm n.s.s. | 14/60 | 556.mg | 19/60 | 2.78gm | 11/60 | | | |
| 101 | bt606 | 13.0gm n.s.s. | 6/60 | 463.mg | 2/60 | 2.32gm | 4/60 | | | |
| a | bt606 | 8.02gm n.s.s. | 10/60 | 463.mg | 10/60 | 2.32gm | 9/60 | | | |
| b | bt606 | 9.13gm n.s.s. | 1/60 | 463.mg | 5/60 | 2.32gm | 3/60 | | | |
| 102 | bt605 | 10.6gm n.s.s. | 1/60 | 176.mg | 1/60 | 882.mg | 0/60 | | | |
| a | bt605 | 718.mg n.s.s. | 45/60 | 176.mg | 44/60 | 882.mg | 45/60 | | | |
| b | bt605 | 2.06gm n.s.s. | 13/60 | 176.mg | 12/60 | 882.mg | 14/60 | | | |

| Spe | Strain | Site | Xpo+Xpt | | | | T050 | 2Tailpvl |
|---|--------|-------------|---------------|--|--|---|----------|----------|
| Sex | Route | Hist | Notes | | | | DR | Au0p |
| 103 | R m | sda inh liv | ang 24m24 | | | . | no dre | P=1. - |
| a | R m | sda inh tba | mix 24m24 | | | | 6.54gm * | P<.6 - |
| b | R m | sda inh tba | mal 24m24 | | | | no dre | P=1. - |
| CHLOROETHANE* | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | |
| 104 | M f | b6c inh ute | car 23m23 | | | : | 1.81gm | P<.0005c |
| a | M f | b6c inh liv | MXA 23m23 | | | : | 7.22gm | P<.0005e |
| b | M f | b6c inh liv | hpc 23m23 | | | | 7.58gm | P<.0005 |
| c | M f | b6c inh --- | MXA 23m23 | | | | 9.96gm | P<.002 |
| d | M f | b6c inh lun | MXA 23m23 | | | | 8.64gm | P<.02 |
| e | M f | b6c inh TBA | MXB 23m23 | | | | 1.38gm | P<.0005 |
| f | M f | b6c inh liv | MXB 23m23 | | | | 7.22gm | P<.0005 |
| g | M f | b6c inh lun | MXB 23m23 | | | | 8.64gm | P<.02 |
| 105 | M m | b6c inh lun | MXA 23m23 s | | | : | #9.91gm | P<.0005 |
| a | M m | b6c inh lun | a/a 23m23 s | | | | 12.7gm | P<.0005 |
| b | M m | b6c inh TBA | MXB 23m23 s | | | | 10.1gm | P<.2 |
| c | M m | b6c inh liv | MXB 23m23 s | | | | 34.1gm | P<.5 |
| d | M m | b6c inh lun | MXB 23m23 s | | | | 9.91gm | P<.0005 |
| 106 | R f | f34 inh ute | pst 24m24 | | | : | 10.2gm | P<.05 |
| a | R f | f34 inh bra | asl 24m24 | | | | 21.0gm | P<.04 e |
| b | R f | f34 inh TBA | MXB 24m24 | | | | 2.66gm | P<.2 |
| c | R f | f34 inh liv | MXB 24m24 | | | | no dre | P=1. |
| 107 | R m | f34 inh ski | MXA 24m24 | | | : | 3.21gm | P<.004 e |
| a | R m | f34 inh ski | bcc 24m24 | | | | 4.97gm | P<.02 |
| b | R m | f34 inh TBA | MXB 24m24 | | | | 1.60gm | P<.3 |
| c | R m | f34 inh liv | MXB 24m24 | | | | 47.7gm | P<.8 |
| 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA*** | | | | | | | | |
| ...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | |
| 108 | M f | b6c eat TBA | MXB 24m24 | | | : | no dre | P=1. - |
| a | M f | b6c eat liv | MXB 24m24 | | | | no dre | P=1. |
| b | M f | b6c eat lun | MXB 24m24 | | | | no dre | P=1. |
| 109 | M m | b6c eat sub | MXA 24m24 | | | : | #2.10gm | P<.02 - |
| a | M m | b6c eat sub | MXA 24m24 | | | | 2.21gm | P<.04 |
| b | M m | b6c eat TBA | MXB 24m24 | | | | no dre | P=1. |
| c | M m | b6c eat liv | MXB 24m24 | | | | no dre | P=1. |
| d | M m | b6c eat lun | MXB 24m24 | | | | 17.6gm * | P<.7 |
| 110 | R f | f34 eat TBA | MXB 24m24 | | | : | no dre | P=1. - |
| a | R f | f34 eat liv | MXB 24m24 | | | | no dre | P=1. |
| 111 | R m | f34 eat MXB | MXB 24m24 | | | : | 86.3gm * | P<.0005 |
| a | R m | f34 eat kid | MXA 24m24 | | | | 131.mg * | P<.0005c |
| b | R m | f34 eat kid | tla 24m24 | | | | 272.mg * | P<.006 c |
| c | R m | f34 eat kid | uac 24m24 | | | | 281.mg * | P<.003 c |
| d | R m | f34 eat liv | MXA 24m24 | | | | 201.mg * | P<.04 c |
| e | R m | f34 eat TBA | MXB 24m24 | | | | no dre | P=1. |
| f | R m | f34 eat liv | MXB 24m24 | | | | 201.mg * | P<.04 |
| CIPROFIBRATE*** | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | |
| 112 | M m | c5n eat liv | mix 78w78 e | | | . | 4.17gm | P<.0005+ |
| a | M m | c5n eat liv | hpa 78w78 e | | | | 5.89gm | P<.002 + |
| b | M m | c5n eat liv | hpc 78w78 e | | | | 12.3gm | P<.02 + |
| c | M m | c5n eat lun | tum 78w78 e | | | | no dre | P=1. |
| 113 | M m | c5n eat liv | mix 89w91 ev | | | . | 12.1gm | P<.0005+ |
| a | M m | c5n eat liv | hpa 89w91 ev | | | | 19.2gm | P<.002 + |
| b | M m | c5n eat liv | hpc 89w91 ev | | | | 46.4gm | P<.04 + |
| CYCLOHEXANONE | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | |
| 114 | M f | b6c wat --- | mly 24m25 ers | | | . | 3.69gm Z | P<.03 |
| a | M f | b6c wat liv | mix 24m25 ers | | | | no dre | P=1. |
| b | M f | b6c wat lun | mix 24m25 ers | | | | no dre | P=1. |
| 115 | M m | b6c wat liv | mix 24m25 er | | | . | no dre | P=1. |
| a | M m | b6c wat lun | mix 24m25 er | | | | no dre | P=1. |
| 116 | R f | f34 wat liv | nnd 24m25 e | | | . | 6.30gm * | P<.5 |
| 117 | R m | f34 wat adr | cca 24m25 e | | | . | 929.mg | P<.03 |
| a | R m | f34 wat liv | car 24m25 e | | | | no dre | P=1. |
| b | R m | f34 wat liv | mix 24m25 e | | | | no dre | P=1. |
| 3-DIAZOTYRAMINE.HCl | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | |
| 118 | R m | f3d wat orc | sqc 27m27 e | | | . | 37.6gm | P<.0005+ |
| DICHLORODIFLUOROMETHANE | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | |
| 119 | M f | swi inh --- | leu 18m24 | | | . | 4.10gm | P<.06 - |
| a | M f | swi inh lun | ade 18m24 | | | | 91.9gm * | P<.4 - |
| b | M f | swi inh tba | mal 18m24 | | | | 3.32gm | P<.03 - |
| c | M f | swi inh tba | mix 18m24 | | | | 59.0gm * | P<.7 - |
| 120 | M m | swi inh lun | ade 18m24 | | | | 41.9gm * | P<.2 - |
| a | M m | swi inh tba | mix 18m24 | | | | 12.1gm * | P<.02 - |
| b | M m | swi inh tba | mal 18m24 | | | | 33.1gm * | P<.2 - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | |
|---|--------|--------|--------|-------|--------|---------------|---------|-----------------------|-----------------------------------|-------------------------------|
| 103 | bt605 | 1.27gm | n.s.s. | 0/60 | 124.mg | 0/60 | 618.mg | | | |
| a | bt605 | 1.11gm | n.s.s. | 19/60 | 124.mg | 14/60 | 618.mg | | | |
| b | bt605 | 2.23gm | n.s.s. | 9/60 | 124.mg | 6/60 | 618.mg | | | |
| CHLOROETHANE* (ethyl chloride) 75-00-3 | | | | | | | | | | |
| 104 | c06224 | 823.mg | 3.55gm | 1/50 | 12.4gm | 43/50 | | | | |
| a | c06224 | 2.24gm | 38.5gm | 3/50 | 12.4gm | 8/50 | | liv:hpa,hpc. | S | |
| b | c06224 | 2.29gm | 46.7gm | 3/50 | 12.4gm | 7/50 | | --- | mlh,mlm,mlp,mlu,mly. S | |
| c | c06224 | 2.82gm | 59.7gm | 4/50 | 12.4gm | 10/50 | | lun:a/a,a/c. | S | |
| d | c06224 | 1.97gm | n.s.s. | 5/50 | 12.4gm | 4/50 | | | | |
| e | c06224 | 721.mg | 2.85gm | 28/50 | 12.4gm | 47/50 | | | | |
| f | c06224 | 2.24gm | 38.5gm | 3/50 | 12.4gm | 8/50 | | liv:hpa,hpc,nnd. | | |
| g | c06224 | 1.97gm | n.s.s. | 5/50 | 12.4gm | 4/50 | | lun:a/a,a/c. | | |
| 105 | c06224 | 4.00gm | 107.gm | 5/50 | 10.4gm | 10/50 | | lun:a/a,a/c. | S | |
| a | c06224 | 4.89gm | 159.gm | 3/50 | 10.4gm | 8/50 | | | S | |
| b | c06224 | 3.22gm | n.s.s. | 27/50 | 10.4gm | 20/50 | | | | |
| c | c06224 | 6.36gm | n.s.s. | 15/50 | 10.4gm | 10/50 | | liv:hpa,hpc,nnd. | | |
| d | c06224 | 4.00gm | 107.gm | 5/50 | 10.4gm | 10/50 | | lun:a/a,a/c. | S | |
| 106 | c06224 | 3.58gm | n.s.s. | 2/50 | 2.88gm | 7/50 | | | | |
| a | c06224 | 6.08gm | n.s.s. | 0/50 | 2.88gm | 3/50 | | | | |
| b | c06224 | 936.mg | n.s.s. | 45/50 | 2.88gm | 48/50 | | | | |
| c | c06224 | 13.6gm | n.s.s. | 1/50 | 2.88gm | 0/50 | | liv:hpa,hpc,nnd. | | |
| 107 | c06224 | 1.15gm | 20.6gm | 0/50 | 2.01gm | 5/50 | | ski:bcc,sla,tri. | S | |
| a | c06224 | 1.39gm | n.s.s. | 0/50 | 2.01gm | 3/50 | | | | |
| b | c06224 | 468.mg | n.s.s. | 48/50 | 2.01gm | 47/50 | | | | |
| c | c06224 | 2.58gm | n.s.s. | 1/50 | 2.01gm | 1/50 | | liv:hpa,hpc,nnd. | | |
| 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA*** (Telvar, monuron) 150-68-5 | | | | | | | | | | |
| 108 | c02846 | 656.mg | n.s.s. | 30/50 | 638.mg | 21/50 (1.29gm | 14/50) | | | |
| a | c02846 | 7.79gm | n.s.s. | 6/50 | 638.mg | 0/50 | 1.29gm | 3/50 | liv:hpa,hpc,nnd. | |
| b | c02846 | 5.33gm | n.s.s. | 6/50 | 638.mg | 7/50 | 1.29gm | 3/50 | lun:a/a,a/c. | |
| 109 | c02846 | 864.mg | n.s.s. | 1/50 | 589.mg | 8/50 (1.19gm | 1/50) | | sub:fbs, fib. S | |
| a | c02846 | 870.mg | n.s.s. | 2/50 | 589.mg | 9/50 (1.19gm | 2/50) | | sub:fbs, fib, srn. S | |
| b | c02846 | 1.01gm | n.s.s. | 30/50 | 589.mg | 22/50 (1.19gm | 19/50) | | | |
| c | c02846 | 1.57gm | n.s.s. | 12/50 | 589.mg | 8/50 (1.19gm | 6/50) | | liv:hpa,hpc,nnd. | |
| d | c02846 | 2.72gm | n.s.s. | 6/50 | 589.mg | 5/50 | 1.19gm | 10/50 | lun:a/a,a/c. | |
| 110 | c02846 | 79.7mg | n.s.s. | 41/50 | 36.8mg | 45/50 | 73.6mg | 37/50 | | |
| a | c02846 | 527.mg | n.s.s. | 4/50 | 36.8mg | 1/50 | 73.6mg | 2/50 | liv:hpa,hpc,nnd. | |
| 111 | c02846 | 52.1mg | 225.mg | 1/50 | 29.4mg | 8/50 | 58.9mg | 20/50 | kid:tla,uac; liv:hpc,nnd. C | |
| a | c02846 | 75.2mg | 286.mg | 0/50 | 29.4mg | 3/50 | 58.9mg | 15/50 | kid:tla,uac. | |
| b | c02846 | 128.mg | 2.64gm | 0/50 | 29.4mg | 2/50 | 58.9mg | 7/50 | | |
| c | c02846 | 132.mg | 764.mg | 0/50 | 29.4mg | 1/50 | 58.9mg | 8/50 | | |
| d | c02846 | 93.9mg | n.s.s. | 1/50 | 29.4mg | 6/50 | 58.9mg | 9/50 | liv:hpc,nnd. | |
| e | c02846 | 78.4mg | n.s.s. | 36/50 | 29.4mg | 41/50 | 58.9mg | 36/50 | | |
| f | c02846 | 93.9mg | n.s.s. | 1/50 | 29.4mg | 6/50 | 58.9mg | 9/50 | liv:hpa,hpc,nnd. | |
| CIPROFIBRATE*** 52214-84-3 | | | | | | | | | | |
| 112 | 1895m | 1.50mg | 15.8mg | 0/12 | 15.0mg | 6/8 | | | Rao;bjca,58,46-51;1988/pers.comm. | |
| a | 1895m | 2.09mg | 26.4mg | 0/12 | 15.0mg | 5/8 | | | | |
| b | 1895m | 3.65mg | n.s.s. | 0/12 | 15.0mg | 3/8 | | | | |
| c | 1895m | 13.9mg | n.s.s. | 0/12 | 15.0mg | 0/8 | | | | |
| 113 | 1895n | 5.16mg | 37.1mg | 0/12 | 25.4mg | 8/12 | | | | |
| a | 1895n | 7.63mg | 86.4mg | 0/12 | 25.4mg | 6/12 | | | | |
| b | 1895n | 13.9mg | n.s.s. | 0/12 | 25.4mg | 3/12 | | | | |
| CYCLOHEXANONE 108-94-1 | | | | | | | | | | |
| 114 | 1850 | 1.54gm | n.s.s. | 8/52 | 1.26gm | 17/50 (2.53gm | 4/50 | 4.86gm | 0/41) | Lijinsky;jnci,77,941-949;1986 |
| a | 1850 | 24.1gm | n.s.s. | 3/52 | 1.26gm | 6/50 | 2.53gm | 3/50 | 4.86gm | 2/41 |
| b | 1850 | 36.8gm | n.s.s. | 3/52 | 1.26gm | 2/50 | 2.53gm | 2/50 | 4.86gm | 1/41 |
| 115 | 1850 | 3.72gm | n.s.s. | 16/52 | 1.05gm | 25/51 | 2.11gm | 13/46 | | |
| a | 1850 | 4.90gm | n.s.s. | 13/52 | 1.05gm | 7/51 | (2.11gm | 3/47) | | |
| 116 | 1850 | 1.32gm | n.s.s. | 3/52 | 183.mg | 4/52 | 361.mg | 5/52 | | |
| 117 | 1850 | 364.mg | n.s.s. | 1/52 | 160.mg | 7/52 | (316.mg | 1/51) | | |
| a | 1850 | 1.20gm | n.s.s. | 2/52 | 160.mg | 0/52 | 316.mg | 0/51 | | |
| b | 1850 | 1.66gm | n.s.s. | 6/52 | 160.mg | 5/52 | 316.mg | 4/51 | | |
| 3-DIAZOTYRAMINE.HCL (4-(2-aminoethyl)-6-diazo-2,4-cyclohexadienone.HCL) --- | | | | | | | | | | |
| 118 | 1825 | 21.1mg | 74.3mg | 0/16 | 50.0mg | 19/28 | | | Fujita;carc,8,527-529;1987 | |
| DICHLORODIFLUOROMETHANE (fluorocarbon 12) 75-71-8 | | | | | | | | | | |
| 119 | bt602 | 1.51gm | n.s.s. | 8/90 | 777.mg | 12/60 (3.89gm | 6/60) | | | |
| a | bt602 | 19.1gm | n.s.s. | 2/90 | 777.mg | 1/60 | 3.89gm | 3/60 | Maltoni;anya,534,261-282;1988 | |
| b | bt602 | 1.33gm | n.s.s. | 9/90 | 777.mg | 14/60 (3.89gm | 6/60) | | | |
| c | bt602 | 8.68gm | n.s.s. | 15/90 | 777.mg | 15/60 | 3.89gm | 13/60 | | |
| 120 | bt602 | 11.1gm | n.s.s. | 3/90 | 648.mg | 3/60 | 3.24gm | 5/60 | | |
| a | bt602 | 5.11gm | n.s.s. | 9/90 | 648.mg | 9/60 | 3.24gm | 15/60 | | |
| b | bt602 | 9.46gm | n.s.s. | 5/90 | 648.mg | 4/60 | 3.24gm | 7/60 | | |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--------------------------------------|--------|--------|--------|---------|--------|---------|----------|-----------------------|--|
| 121 | bt601 | 8.46gm | n.s.s. | 1/150 | 247.mg | 1/90 | 1.23gm | 3/90 | |
| a | bt601 | 6.91gm | n.s.s. | 43/150 | 247.mg | 24/90 | 1.23gm | 18/90 | |
| b | bt601 | 1.34gm | n.s.s. | 124/150 | 247.mg | 71/90 | 1.23gm | 72/90 | |
| 122 | bt601 | 529.mg | n.s.s. | 6/150 | 173.mg | 11/90 | (864.mg) | 5/90) | |
| a | bt601 | 2.67gm | n.s.s. | 1/150 | 173.mg | 0/90 | 864.mg | 0/90 | |
| b | bt601 | 221.mg | n.s.s. | 51/150 | 173.mg | 42/90 | (864.mg) | 27/90) | |
| c | bt601 | 6.54gm | n.s.s. | 25/150 | 173.mg | 16/90 | 864.mg | 9/90 | |
| 2,4-DICHLOROPHENOL 120-83-2 | | | | | | | | | |
| 123 | c55345 | 2.31gm | n.s.s. | 26/50 | 638.mg | 18/50 | 1.29gm | 21/50 | |
| a | c55345 | 8.98gm | n.s.s. | 2/50 | 638.mg | 3/50 | 1.29gm | 0/50 | liv:hpa,hpc,nnd. |
| b | c55345 | 7.95gm | n.s.s. | 3/50 | 638.mg | 1/50 | 1.29gm | 2/50 | lun:a/a,a/c. |
| 124 | c55345 | 3.77gm | n.s.s. | 0/50 | 589.mg | 0/50 | 1.19gm | 3/50 | for:sqc,sqp. S |
| a | c55345 | 1.20gm | n.s.s. | 29/50 | 589.mg | 29/50 | 1.19gm | 24/50 | |
| b | c55345 | 1.93gm | n.s.s. | 10/50 | 589.mg | 12/50 | 1.19gm | 9/50 | liv:hpa,hpc,nnd. |
| c | c55345 | 2.85gm | n.s.s. | 3/50 | 589.mg | 2/50 | 1.19gm | 5/50 | lun:a/a,a/c. |
| 125 | c55345 | 254.mg | n.s.s. | 47/50 | 123.mg | 36/50 | 248.mg | 44/50 | |
| a | c55345 | n.s.s. | n.s.s. | 0/50 | 123.mg | 1/50 | 248.mg | 0/50 | liv:hpa,hpc,nnd. |
| 126 | c55345 | 343.mg | n.s.s. | 48/50 | 196.mg | 38/50 | 396.mg | 41/50 | |
| a | c55345 | 748.mg | n.s.s. | 5/50 | 196.mg | 1/50 | (396.mg) | 1/50) | liv:hpa,hpc,nnd. |
| DICHLORVOS*** (DDVP, Vapona) 62-73-7 | | | | | | | | | |
| 127 | c00113 | 26.8mg | n.s.s. | 5/50 | 14.0mg | 6/50 | 28.0mg | 19/50 | for:sqc,sqp. S |
| a | c00113 | 28.2mg | n.s.s. | 5/50 | 14.0mg | 6/50 | 28.0mg | 18/50 | |
| b | c00113 | 31.8mg | n.s.s. | 37/50 | 14.0mg | 26/50 | 28.0mg | 37/50 | |
| c | c00113 | 75.7mg | n.s.s. | 6/50 | 14.0mg | 4/50 | 28.0mg | 7/50 | liv:hpa,hpc,nnd. |
| d | c00113 | 63.6mg | n.s.s. | 3/50 | 14.0mg | 3/50 | 28.0mg | 6/50 | lun:a/a,a/c. |
| 128 | c00113 | 28.9mg | n.s.s. | 1/50 | 7.01mg | 1/50 | 14.0mg | 5/50 | |
| a | c00113 | 7.52mg | n.s.s. | 37/50 | 7.01mg | 41/50 | 14.0mg | 37/50 | |
| b | c00113 | 12.5mg | n.s.s. | 16/50 | 7.01mg | 18/50 | 14.0mg | 20/50 | liv:hpa,hpc,nnd. |
| c | c00113 | 17.2mg | n.s.s. | 10/50 | 7.01mg | 15/50 | 14.0mg | 10/50 | lun:a/a,a/c. |
| 129 | c00113 | 1.65mg | n.s.s. | 9/50 | 2.80mg | 19/50 | (5.61mg) | 16/50) | |
| a | c00113 | 3.66mg | n.s.s. | 9/50 | 2.80mg | 19/50 | 5.61mg | 17/50 | mgl:ade, fba. S |
| b | c00113 | 11.1mg | n.s.s. | 0/50 | 2.80mg | 3/50 | 5.61mg | 3/50 | sub:fbs, fib. S |
| c | c00113 | 13.6mg | n.s.s. | 1/50 | 2.80mg | 1/50 | 5.61mg | 4/50 | |
| d | c00113 | 2.62mg | n.s.s. | 47/50 | 2.80mg | 46/50 | 5.61mg | 46/50 | |
| e | c00113 | 20.5mg | n.s.s. | 0/50 | 2.80mg | 1/50 | 5.61mg | 1/50 | liv:hpa,hpc,nnd. |
| 130 | c00113 | 1.62mg | 31.1mg | 25/50 | 2.80mg | 37/50 | 5.61mg | 41/50 | ---:mnl; pan:ade. P |
| a | c00113 | 2.09mg | 44.6mg | 16/50 | 2.80mg | 25/50 | 5.61mg | 30/50 | |
| b | c00113 | 3.24mg | n.s.s. | 11/50 | 2.80mg | 20/50 | 5.61mg | 21/50 | |
| c | c00113 | 15.5mg | n.s.s. | 0/50 | 2.80mg | 0/50 | 5.61mg | 3/50 | S |
| d | c00113 | 2.34mg | n.s.s. | 48/50 | 2.80mg | 45/50 | 5.61mg | 45/50 | |
| e | c00113 | 12.7mg | n.s.s. | 1/50 | 2.80mg | 3/50 | 5.61mg | 2/50 | liv:hpa,hpc,nnd. |
| DIETHYLSTILBESTROL*** (DES) 56-53-1 | | | | | | | | | |
| 131 | 1852m | 19.0ug | 32.3ug | 4/73 | 83.2ug | 167/182 | | | Greenman;jnci,77,891-898;1986/pers.comm. |
| a | 1852m | 23.7ug | 38.9ug | 2/73 | 83.2ug | 158/182 | | | |
| b | 1852m | .673mg | n.s.s. | 2/73 | 83.2ug | 9/182 | | | |
| c | 1852m | 1.97mg | n.s.s. | 5/75 | 83.2ug | 3/182 | | | |
| d | 1852m | 3.29mg | n.s.s. | 3/77 | 83.2ug | 0/181 | | | |
| e | 1852m | 2.93mg | n.s.s. | 10/77 | 83.2ug | 1/181 | | | |
| 132 | 1852n | 33.7ug | 55.3ug | 4/73 | 83.2ug | 151/189 | | | |
| a | 1852n | 34.3ug | 55.6ug | 2/73 | 83.2ug | 149/189 | | | |
| b | 1852n | .490mg | 4.06mg | 0/77 | 83.2ug | 13/189 | | | |
| c | 1852n | .836mg | n.s.s. | 0/77 | 83.2ug | 6/189 | | | |
| d | 1852n | .936mg | n.s.s. | 0/77 | 83.2ug | 5/189 | | | |
| e | 1852n | 3.74mg | n.s.s. | 3/77 | 83.2ug | 0/188 | | | |
| f | 1852n | 2.13mg | n.s.s. | 2/73 | 83.2ug | 2/189 | | | |
| g | 1852n | 2.24mg | n.s.s. | 10/77 | 83.2ug | 5/188 | | | |
| h | 1852n | 1.71mg | n.s.s. | 5/75 | 83.2ug | 5/189 | | | |
| 133 | 1852o | 67.3ug | .118mg | 4/73 | 83.2ug | 117/185 | | | |
| a | 1852o | 73.9ug | .128mg | 2/73 | 83.2ug | 109/185 | | | |
| b | 1852o | .331mg | .932mg | 0/77 | 83.2ug | 28/191 | | | |
| c | 1852o | .616mg | 5.24mg | 0/77 | 83.2ug | 13/191 | | | |
| d | 1852o | .804mg | n.s.s. | 0/77 | 83.2ug | 9/191 | | | |
| e | 1852o | .737mg | n.s.s. | 2/73 | 83.2ug | 12/185 | | | |
| f | 1852o | 2.05mg | n.s.s. | 3/77 | 83.2ug | 4/191 | | | |
| g | 1852o | 1.85mg | n.s.s. | 10/77 | 83.2ug | 10/191 | | | |
| h | 1852o | 1.70mg | n.s.s. | 5/75 | 83.2ug | 7/191 | | | |
| 134 | 1852r | 86.3ug | .164mg | 4/73 | 83.2ug | 96/182 | | | |
| a | 1852r | 89.3ug | .163mg | 2/73 | 83.2ug | 92/182 | | | |
| b | 1852r | .312mg | .860mg | 0/77 | 83.2ug | 29/192 | | | |
| c | 1852r | .783mg | n.s.s. | 0/77 | 83.2ug | 9/192 | | | |
| d | 1852r | .849mg | n.s.s. | 0/77 | 83.2ug | 8/192 | | | |
| e | 1852r | 1.04mg | n.s.s. | 2/96 | 83.2ug | 7/182 | | | |
| f | 1852r | 2.00mg | n.s.s. | 3/77 | 83.2ug | 4/192 | | | |
| g | 1852r | 1.81mg | n.s.s. | 10/77 | 83.2ug | 10/192 | | | |
| h | 1852r | 1.00mg | n.s.s. | 5/75 | 83.2ug | 12/192 | | | |

| Spe | Strain | Site | Xpo+Xpt | | | | | | TD50 | 2Tailpvl |
|--|--------|------|-------------|--------------|---|---|---|---|----------------|----------|
| Sex | Route | Hist | Notes | | | | | | DR | AuOp |
| 5,6-DIHYDRO-5-AZACYTIDINE 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | |
| 135 | R m | f34 | ipj liv tum | 52w52 e | . | > | | | no dre | P=1. |
| a | R m | f34 | ipj tba tum | 52w52 e | | | | | 20.7mg | P<.5 |
| DIMETHOXANE, COMMERCIAL GRADE 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | |
| 136 | M f | b6c | gav TBA | MXB 24m24 | | : | > | | 3.38gm * | P<.8 - |
| a | M f | b6c | gav liv | MXB 24m24 | | | | | no dre | P=1. |
| b | M f | b6c | gav lun | MXB 24m24 | | | | | 10.4gm * | P<.8 |
| 137 | M m | b6c | gav for | MXA 24m24 | | : | ± | | 1.44gm * | P<.04 e |
| a | M m | b6c | gav TBA | MXB 24m24 | | | | | 1.82gm * | P<.7 |
| b | M m | b6c | gav liv | MXB 24m24 | | | | | 1.18gm * | P<.3 |
| c | M m | b6c | gav lun | MXB 24m24 | | | | | 1.45gm * | P<.2 |
| 138 | R f | f34 | gav TBA | MXB 24m24 | | : | > | | no dre | P=1. - |
| a | R f | f34 | gav liv | MXB 24m24 | | | | | 2.43gm * | P<.2 |
| 139 | R m | f34 | gav TBA | MXB 24m24 | | : | > | | no dre | P=1. - |
| a | R m | f34 | gav liv | MXB 24m24 | | | | | no dre | P=1. |
| 5,6-DIMETHOXYSTERIGMATOCYSTIN 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | |
| 140 | R m | ain | eat liv | nnd 38w80 e | | < | + | | noTD50 | P<.002 |
| a | R m | ain | eat liv | mix 38w80 e | | | | | noTD50 | P<.002 + |
| b | R m | ain | eat liv | hpc 38w80 e | | | | | .400mg | P<.002 |
| c | R m | ain | eat liv | hms 38w80 e | | | | | .566mg | P<.006 |
| d | R m | ain | eat bon | ost 38w80 e | | | | | 1.36mg | P<.06 |
| DIMETHYL METHYLPHOSPHONATE* 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | |
| 141 | M f | b6c | gav lun | a/a 24m24 as | | : | ± | | #4.09gm * | P<.04 - |
| a | M f | b6c | gav TBA | MXB 24m24 as | | | | | 851.mg * | P<.02 |
| b | M f | b6c | gav liv | MXB 24m24 as | | | | | 6.56gm * | P<.4 |
| c | M f | b6c | gav lun | MXB 24m24 as | | | | | 7.25gm * | P<.3 |
| 142 | M m | b6c | gav liv | MXA 23m24 as | | : | + | : | #458.mg * | P<.002 |
| a | M m | b6c | gav liv | hpa 23m24 as | | | | | 563.mg * | P<.003 |
| b | M m | b6c | gav TBA | MXB 23m24 as | | | | | 370.mg / | P<.002 |
| c | M m | b6c | gav liv | MXB 23m24 as | | | | | 458.mg * | P<.002 |
| d | M m | b6c | gav lun | MXB 23m24 as | | | | | 7.27gm / | P<.5 |
| 143 | R f | f34 | gav TBA | MXB 24m24 | | : | > | | 868.mg * | P<.3 - |
| a | R f | f34 | gav liv | MXB 24m24 | | | | | no dre | P=1. |
| 144 | R m | f34 | gav tes | ict 24m24 | | : | + | : | 169.mg * | P<.0005 |
| a | R m | f34 | gav amd | MXA 24m24 | | | | | 306.mg * | P<.0005 |
| b | R m | f34 | gav MXA | MXA 24m24 | | | | | 453.mg / | P<.0005 |
| c | R m | f34 | gav MXB | MXB 24m24 | | | | | 520.mg * | P<.0005 |
| d | R m | f34 | gav k/p | MXA 24m24 | | | | | 608.mg * | P<.0005 |
| e | R m | f34 | gav k/p | tpp 24m24 | | | | | 700.mg * | P<.0005p |
| f | R m | f34 | gav thy | ccr 24m24 | | | | | 983.mg * | P<.005 |
| g | R m | f34 | gav tnv | men 24m24 | | | | | 1.01gm * | P<.0005 |
| h | R m | f34 | gav MXA | MXA 24m24 | | | | | 1.02gm * | P<.005 |
| i | R m | f34 | gav thy | MXA 24m24 | | | | | 1.66gm * | P<.004 |
| j | R m | f34 | gav kid | uac 24m24 | | | | | 2.24gm * | P<.008 p |
| k | R m | f34 | gav thy | MXA 24m24 | | | | | 1.14gm * | P<.04 |
| l | R m | f34 | gav amd | phm 24m24 | | | | | 2.02gm * | P<.05 |
| m | R m | f34 | gav TBA | MXB 24m24 | | | | | 178.mg * | P<.0005 |
| n | R m | f34 | gav liv | MXB 24m24 | | | | | 1.63gm * | P<.09 |
| 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCL ..10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | |
| 145 | M f | b6c | eat liv | hct 25m25 e | | . | > | | 1.85gm * | P<.9 |
| a | M f | b6c | eat lun | mix 25m25 e | | | | | no dre | P=1. |
| 146 | M m | b6c | eat liv | hct 25m25 e | | . | > | | no dre | P=1. |
| a | M m | b6c | eat lun | mix 25m25 e | | | | | no dre | P=1. |
| 147 | R f | f34 | eat ute | esp 25m25 e | | . | + | . | 43.3mg * | P<.006 |
| a | R f | f34 | eat liv | nnd 25m25 e | | | | | 60.7mg * | P<.007 + |
| b | R f | f34 | eat liv | hpc 25m25 e | | | | | +hist 260.mg * | P<.1 + |
| 148 | R m | f34 | eat liv | nnd 25m25 e | | . | ± | . | 77.3mg * | P<.09 + |
| a | R m | f34 | eat liv | hpc 25m25 e | | | | | +hist 110.mg * | P<.02 + |
| 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCL10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | |
| 149 | M f | b6c | eat pta | ade 25m25 e | | . | ± | . | 42.5mg | P<.02 - |
| a | M f | b6c | eat lun | a/a 25m25 e | | | | | 371.mg * | P<.09 - |
| b | M f | b6c | eat liv | hpa 25m25 e | | | | | 385.mg * | P<.2 - |
| c | M f | b6c | eat liv | hpc 25m25 e | | | | | no dre | P=1. - |
| d | M f | b6c | eat lun | a/c 25m25 e | | | | | no dre | P=1. - |
| 150 | M m | b6c | eat liv | hpc 25m25 e | | . | > | | 281.mg * | P<.2 - |
| a | M m | b6c | eat liv | hpa 25m25 e | | | | | 2.13gm / | P<.8 - |
| b | M m | b6c | eat lun | a/a 25m25 e | | | | | no dre | P=1. - |
| c | M m | b6c | eat lun | a/c 25m25 e | | | | | no dre | P=1. - |
| 151 | R f | f34 | eat liv | nnd 25m25 e | | | | | 1.42gm * | P<.4 - |
| 152 | R m | f34 | eat liv | hpc 25m25 e | | . | > | | 1.09gm * | P<.3 - |
| a | R m | f34 | eat liv | nnd 25m25 e | | | | | no dre | P=1. - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|---|--------|--------|--------|-------|--------|-------|----------|----------------------------|---|
| 5,6-DIHYDRO-5-AZACYTIDINE (DHAC) 62488-57-7 | | | | | | | | | |
| 135 | 1906 | 9.94mg | n.s.s. | 0/49 | 21.4mg | 0/9 | | Carr;bjca,57,395-402;1988 | |
| a | 1906 | 3.21mg | n.s.s. | 10/49 | 21.4mg | 3/9 | | | |
| DIMETHOXANE, COMMERCIAL GRADE 828-00-2 | | | | | | | | | |
| 136 | c56213 | 322.mg | n.s.s. | 32/50 | 176.mg | 26/50 | 352.mg | 33/50 | |
| a | c56213 | 1.39gm | n.s.s. | 8/50 | 176.mg | 5/50 | 352.mg | 4/50 | liv:hpa,hpc,nnd. |
| b | c56213 | 1.15gm | n.s.s. | 4/50 | 176.mg | 1/50 | 352.mg | 5/50 | lun:a/a,a/c. |
| 137 | c56213 | 584.mg | n.s.s. | 2/50 | 176.mg | 3/50 | 352.mg | 8/50 | for:psq,sgc. |
| a | c56213 | 237.mg | n.s.s. | 38/50 | 176.mg | 31/50 | 352.mg | 37/50 | |
| b | c56213 | 355.mg | n.s.s. | 14/50 | 176.mg | 12/50 | 352.mg | 19/50 | liv:hpa,hpc,nnd. |
| c | c56213 | 462.mg | n.s.s. | 8/50 | 176.mg | 4/50 | 352.mg | 13/50 | lun:a/a,a/c. |
| 138 | c56213 | 135.mg | n.s.s. | 41/50 | 88.1mg | 37/50 | 176.mg | 32/50 | |
| a | c56213 | 598.mg | n.s.s. | 0/50 | 88.1mg | 1/50 | 176.mg | 1/50 | liv:hpa,hpc,nnd. |
| 139 | c56213 | 58.7mg | n.s.s. | 39/50 | 44.0mg | 36/50 | 88.1mg | 32/50 | |
| a | c56213 | n.s.s. | n.s.s. | 0/50 | 44.0mg | 1/50 | 88.1mg | 0/50 | liv:hpa,hpc,nnd. |
| 5,6-DIMETHOXYSTERIGMATOCYSTIN 65176-75-2 | | | | | | | | | |
| 140 | 1889 | n.s.s. | .364mg | 0/10 | .967mg | 8/8 | | Mori;carc,9,1039-1042;1988 | |
| a | 1889 | n.s.s. | .364mg | 0/10 | .967mg | 8/8 | | | |
| b | 1889 | .142mg | 1.94mg | 0/10 | .967mg | 5/8 | | | |
| c | 1889 | .188mg | 5.90mg | 0/10 | .967mg | 4/8 | | | |
| d | 1889 | .332mg | n.s.s. | 0/10 | .967mg | 2/8 | | | |
| DIMETHYL METHYLPHOSPHONATE* (DMMP) 756-79-6 | | | | | | | | | |
| 141 | c54762 | 1.41gm | n.s.s. | 1/50 | 701.mg | 5/50 | 1.40gm | 1/50 | S |
| a | c54762 | 382.mg | n.s.s. | 27/50 | 701.mg | 31/50 | 1.40gm | 8/50 | |
| b | c54762 | 1.40gm | n.s.s. | 3/50 | 701.mg | 5/50 | 1.40gm | 0/50 | liv:hpa,hpc,nnd. |
| c | c54762 | 1.69gm | n.s.s. | 3/50 | 701.mg | 5/50 | 1.40gm | 1/50 | lun:a/a,a/c. |
| 142 | c54762 | 211.mg | 2.42gm | 17/50 | 701.mg | 21/50 | 1.43gm | 4/50 | liv:hpa,hpc. S |
| a | c54762 | 242.mg | 4.34gm | 12/50 | 701.mg | 15/50 | 1.43gm | 3/50 | S |
| b | c54762 | 178.mg | 1.95gm | 34/50 | 701.mg | 27/50 | 1.43gm | 10/50 | |
| c | c54762 | 211.mg | 2.42gm | 17/50 | 701.mg | 21/50 | 1.43gm | 4/50 | liv:hpa,hpc,nnd. |
| d | c54762 | 1.05gm | n.s.s. | 6/50 | 701.mg | 0/50 | 1.43gm | 3/50 | lun:a/a,a/c. |
| 143 | c54762 | 280.mg | n.s.s. | 40/50 | 350.mg | 42/50 | 701.mg | 40/50 | |
| a | c54762 | n.s.s. | n.s.s. | 0/50 | 350.mg | 2/50 | 701.mg | 0/50 | liv:hpa,hpc,nnd. |
| 144 | c54762 | 93.5mg | 500.mg | 41/50 | 350.mg | 39/50 | 701.mg | 39/50 | S |
| a | c54762 | 163.mg | 899.mg | 12/50 | 350.mg | 18/50 | 701.mg | 18/50 | amd:phe,phm. S |
| b | c54762 | 227.mg | 1.58gm | 10/50 | 350.mg | 11/50 | 701.mg | 17/50 | mul:mnl; spl:mnl. S |
| c | c54762 | 267.mg | 1.18gm | 0/50 | 350.mg | 9/50 | 701.mg | 6/50 | k/p:tp; kid:uac. P |
| d | c54762 | 292.mg | 1.66gm | 0/50 | 350.mg | 8/50 | 701.mg | 3/50 | k/p:tcc, tpp. S |
| e | c54762 | 324.mg | 2.07gm | 0/50 | 350.mg | 7/50 | 701.mg | 3/50 | |
| f | c54762 | 384.mg | 9.77gm | 1/50 | 350.mg | 4/50 | 701.mg | 4/50 | S |
| g | c54762 | 438.mg | 3.03gm | 0/50 | 350.mg | 4/50 | 701.mg | 6/50 | S |
| h | c54762 | 415.mg | 10.2gm | 2/50 | 350.mg | 5/50 | 701.mg | 6/50 | mul:men,msm; trv:men. S |
| i | c54762 | 591.mg | 11.5gm | 0/50 | 350.mg | 2/50 | 701.mg | 3/50 | thy:fca,fcc. S |
| j | c54762 | 737.mg | 44.7gm | 0/50 | 350.mg | 2/50 | 701.mg | 3/50 | |
| k | c54762 | 398.mg | n.s.s. | 4/50 | 350.mg | 4/50 | 701.mg | 5/50 | thy:cca,ccr. S |
| l | c54762 | 647.mg | n.s.s. | 0/50 | 350.mg | 4/50 | 701.mg | 0/50 | S |
| m | c54762 | 97.5mg | 549.mg | 40/50 | 350.mg | 36/50 | 701.mg | 37/50 | |
| n | c54762 | 498.mg | n.s.s. | 1/50 | 350.mg | 4/50 | 701.mg | 1/50 | liv:hpa,hpc,nnd. |
| 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCL (L-alpha-acetylmetadol.HCl, LAAM) --- | | | | | | | | | |
| 145 | 1894 | 85.3mg | n.s.s. | 6/50 | 7.60mg | 8/50 | 30.0mg | 7/50 | Rosenkrantz;faat,11,626-639;1988/pers.comm. |
| a | 1894 | 186.mg | n.s.s. | 5/50 | 7.60mg | 0/50 | 30.0mg | 3/50 | |
| 146 | 1894 | 13.4mg | n.s.s. | 18/50 | 7.60mg | 18/50 | (30.0mg) | 5/50 | |
| a | 1894 | 182.mg | n.s.s. | 11/50 | 7.60mg | 8/50 | 30.0mg | 4/50 | |
| 147 | 1894 | 21.6mg | 520.mg | 2/50 | 5.70mg | 10/50 | 16.6mg | 12/50 | |
| a | 1894 | 28.2mg | 999.mg | 3/50 | 5.70mg | 4/50 | 16.6mg | 12/50 | |
| b | 1894 | 78.7mg | n.s.s. | 0/50 | 5.70mg | 1/50 | 16.6mg | 2/50 | |
| 148 | 1894 | 27.2mg | n.s.s. | 1/50 | 3.10mg | 3/50 | 9.70mg | 5/50 | |
| a | 1894 | 38.1mg | 19.3gm | 0/50 | 3.10mg | 0/50 | 9.70mg | 4/50 | |
| 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCL (DL-methadone.HCl) 1095-90-5 | | | | | | | | | |
| 149 | 1893 | 19.0mg | n.s.s. | 5/50 | 15.0mg | 15/50 | (60.0mg) | 4/50 | Rosenkrantz;faat,11,640-651;1988/pers.comm. |
| a | 1893 | 132.mg | n.s.s. | 1/50 | 15.0mg | 5/50 | 60.0mg | 6/50 | |
| b | 1893 | 124.mg | n.s.s. | 3/50 | 15.0mg | 6/50 | 60.0mg | 8/50 | |
| c | 1893 | 217.mg | n.s.s. | 5/50 | 15.0mg | 6/50 | 60.0mg | 5/50 | |
| d | 1893 | 128.mg | n.s.s. | 1/50 | 15.0mg | 0/50 | 60.0mg | 0/50 | |
| 150 | 1893 | 86.0mg | n.s.s. | 12/50 | 15.0mg | 11/50 | 60.0mg | 17/50 | |
| a | 1893 | 196.mg | n.s.s. | 9/50 | 15.0mg | 2/50 | 60.0mg | 8/50 | |
| b | 1893 | 384.mg | n.s.s. | 8/50 | 15.0mg | 5/50 | 60.0mg | 3/50 | |
| c | 1893 | 607.mg | n.s.s. | 5/50 | 15.0mg | 0/50 | 60.0mg | 1/50 | |
| 151 | 1893 | 328.mg | n.s.s. | 3/50 | 28.0mg | 1/50 | 88.0mg | 5/50 | |
| 152 | 1893 | 269.mg | n.s.s. | 0/50 | 16.0mg | 1/50 | 46.0mg | 1/50 | |
| a | 1893 | 155.mg | n.s.s. | 10/50 | 16.0mg | 9/50 | 46.0mg | 8/50 | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl | |
|--|--------|------|---------|------------------|------|----------|-------------------|
| Sex | Route | Hist | | | DR | AuOp | |
| 2-DIMETHYLAMINOETHANOL 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 153 | M f | c3j | wat | liv tum 29m29 e | . | > | 6.72gm P<.7 - |
| a | M f | c3j | wat | tba tum 29m29 e | | | no dre P=1. - |
| 154 | M f | cen | wat | liv tum 24m24 e | . | > | 2.99gm P<.6 - |
| a | M f | cen | wat | tba tum 24m24 e | | | 1.66gm P<.8 - |
| N,N-DIMETHYLANILINE 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 155 | M f | b6c | gav | for sqp 24m24 | : | ± | 99.3mg * P<.05 e |
| a | M f | b6c | gav | TBA MXB 24m24 | | | 108.mg / P<.7 |
| b | M f | b6c | gav | liv MXB 24m24 | | | 163.mg * P<.4 |
| c | M f | b6c | gav | lun MXB 24m24 | | | 276.mg * P<.5 |
| 156 | M m | b6c | gav | TBA MXB 24m24 | : | > | 489.mg * P<1. - |
| a | M m | b6c | gav | liv MXB 24m24 | | | 216.mg * P<.7 |
| b | M m | b6c | gav | lun MXB 24m24 | | | 102.mg * P<.4 |
| 157 | R f | f34 | gav | TBA MXB 24m24 | : | > | no dre P=1. - |
| a | R f | f34 | gav | liv MXB 24m24 | | | no dre P=1. - |
| 158 | R m | f34 | gav | srp MXA 24m24 | : | + | 125.mg * P<.005 p |
| a | R m | f34 | gav | srp srn 24m24 | | | 175.mg * P<.02 |
| b | R m | f34 | gav | TBA MXB 24m24 | | | 93.2mg * P<.7 |
| c | R m | f34 | gav | liv MXB 24m24 | | | no dre P=1. |
| 2,4-DINITROTOLUENE (PURIFIED) 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 159 | R m | f34 | eat | liv mix 52w52 er | . | > | 90.2mg P<.3 - |
| a | R m | f34 | eat | liv nnd 52w52 er | | | 90.2mg P<.3 - |
| 2,6-DINITROTOLUENE 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 160 | R m | f34 | eat | liv thc 52w52 er | . | + | .574mg * P<.0005 |
| a | R m | f34 | eat | liv hpc 52w52 er | | | .574mg * P<.0005+ |
| b | R m | f34 | eat | liv nnd 52w52 er | | | .964mg * P<.0005+ |
| c | R m | f34 | eat | liv clc 52w52 er | | | 34.2mg * P<.8 |
| d | R m | f34 | eat | liv hpd 52w52 er | | | 68.9mg * P<.9 |
| DINITROTOLUENE, TECHNICAL GRADE (2,4 (77%)- and 2,6 (19%)-) ...100...1mg...10...100...1g...10 | | | | | | | |
| 161 | R m | f34 | eat | liv nnd 52w52 er | . | + | 8.02mg P<.0005+ |
| a | R m | f34 | eat | liv thc 52w52 er | | | 9.34mg P<.0005+ |
| b | R m | f34 | eat | liv clc 52w52 er | | | 53.9mg P<.09 |
| DIPENTYLNITROSAMINE 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 162 | R f | f34 | eat | liv hpc 23m24 er | . | + | 7.57mg * P<.0005+ |
| 163 | R m | f34 | eat | liv hpc 21m24 er | . | + | 2.75mg * P<.0005+ |
| DIPHENHYDRAMINE.HCl*** 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 164 | M f | b6c | eat | TBA MXB 24m24 | : | > | no dre P=1. - |
| a | M f | b6c | eat | liv MXB 24m24 | | | 363.mg * P<.5 |
| b | M f | b6c | eat | lun MXB 24m24 | | | 357.mg * P<.3 |
| 165 | M m | b6c | eat | liv hpc 24m25 | : | ± | #37.3mg P<.02 - |
| a | M m | b6c | eat | TBA MXB 24m25 | | | no dre P=1. |
| b | M m | b6c | eat | liv MXB 24m25 | | | 201.mg * P<.6 |
| c | M m | b6c | eat | lun MXB 24m25 | | | 447.mg P<.9 |
| 166 | R f | f34 | eat | pta adn 24m24 | : | ± | 20.5mg * P<.06 e |
| a | R f | f34 | eat | TBA MXB 24m24 | | | 65.1mg * P<.8 |
| b | R f | f34 | eat | liv MXB 24m24 | | | no dre P=1. |
| 167 | R m | f34 | eat | lun a/a 24m24 | : | + | 66.1mg * P<.009 |
| a | R m | f34 | eat | bra ast 24m24 | | | 140.mg / P<.01 |
| b | R m | f34 | eat | lun MXA 24m24 | | | 57.3mg * P<.02 e |
| c | R m | f34 | eat | bra MXA 24m24 | | | 143.mg / P<.05 e |
| d | R m | f34 | eat | TBA MXB 24m24 | | | 17.8mg * P<.07 |
| e | R m | f34 | eat | liv MXB 24m24 | | | 243.mg * P<.2 |
| 5,5-DIPHENYLHYDANTOIN*** 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 168 | M f | b6c | eat | liv hct 78w86 e | . | > | 151.mg * P<.3 - |
| a | M f | b6c | eat | liv hpa 78w86 e | | | 229.mg * P<.8 - |
| b | M f | b6c | eat | liv hpc 78w86 e | | | 457.mg * P<.3 - |
| c | M f | b6c | eat | lun act 78w86 e | | | 2.06gm * P<1. - |
| d | M f | b6c | eat | liv hem 78w86 e | | | no dre P=1. - |
| 169 | M m | b6c | eat | liv hem 78w86 e | . | > | 321.mg * P<.7 - |
| a | M m | b6c | eat | liv hct 78w86 e | | | no dre P=1. - |
| b | M m | b6c | eat | liv hpa 78w86 e | | | no dre P=1. - |
| c | M m | b6c | eat | liv hpc 78w86 e | | | no dre P=1. - |
| d | M m | b6c | eat | lun act 78w86 e | | | no dre P=1. - |
| 170 | R f | f3d | eat | liv nnd 24m26 e | . | > | 47.8gm * P<1. - |
| a | R f | f3d | eat | liv hpc 24m26 e | | | no dre P=1. - |
| b | R f | f3d | eat | tba mal 24m26 e | | | 110.mg * P<.2 - |
| 171 | R m | f3d | eat | liv hpc 24m26 e | . | > | 1.08gm * P<.3 - |
| a | R m | f3d | eat | liv nnd 24m26 e | | | no dre P=1. - |
| b | R m | f3d | eat | tba mal 24m26 e | | | 98.7mg * P<.5 - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | | |
|--|--------|--------|--------|-------|--------|-------|----------|-------------------------------|---|-------|-------------------------------|
| 2-DIMETHYLAMINOETHANOL 108-01-0 | | | | | | | | | | | |
| 153 | 1877 | 931.mg | n.s.s. | 4/44 | 268.mg | 5/40 | | Stenback;made,42,129-138;1988 | | | |
| a | 1877 | 166.mg | n.s.s. | 39/44 | 268.mg | 35/40 | | | | | |
| 154 | 1877 | 478.mg | n.s.s. | 6/58 | 178.mg | 7/50 | | | | | |
| a | 1877 | 177.mg | n.s.s. | 33/58 | 178.mg | 30/50 | | | | | |
| N,N-DIMETHYLANILINE 121-69-7 | | | | | | | | | | | |
| 155 | c56428 | 39.3mg | n.s.s. | 2/50 | 10.6mg | 2/50 | 21.2mg | 8/50 | | | |
| a | c56428 | 15.7mg | n.s.s. | 39/50 | 10.6mg | 27/50 | 21.2mg | 41/50 | | | |
| b | c56428 | 40.2mg | n.s.s. | 5/50 | 10.6mg | 5/50 | 21.2mg | 8/50 | liv:hpa,hpc,nnd. | | |
| c | c56428 | 54.8mg | n.s.s. | 4/50 | 10.6mg | 3/50 | 21.2mg | 6/50 | lun:a/a,a/c. | | |
| 156 | c56428 | 17.4mg | n.s.s. | 32/50 | 10.6mg | 37/50 | 21.2mg | 33/50 | | | |
| a | c56428 | 28.3mg | n.s.s. | 11/50 | 10.6mg | 16/50 | 21.2mg | 13/50 | liv:hpa,hpc,nnd. | | |
| b | c56428 | 26.7mg | n.s.s. | 7/50 | 10.6mg | 12/50 | 21.2mg | 11/50 | lun:a/a,a/c. | | |
| 157 | c56428 | 2.41mg | n.s.s. | 48/50 | 2.12mg | 42/50 | (21.2mg) | 42/50 | | | |
| a | c56428 | n.s.s. | n.s.s. | 0/50 | 2.12mg | 0/50 | 21.2mg | 0/50 | liv:hpa,hpc,nnd. | | |
| 158 | c56428 | 42.5mg | 1.09gm | 0/50 | 2.12mg | 0/50 | 21.2mg | 4/50 | srp:ost,srn. | | |
| a | c56428 | 52.3mg | n.s.s. | 0/50 | 2.12mg | 0/50 | 21.2mg | 3/50 | S | | |
| b | c56428 | 12.8mg | n.s.s. | 42/50 | 2.12mg | 35/50 | 21.2mg | 39/50 | | | |
| c | c56428 | 126.mg | n.s.s. | 1/50 | 2.12mg | 1/50 | 21.2mg | 0/50 | liv:hpa,hpc,nnd. | | |
| 2,4-DINITROTOLUENE (PURIFIED) 121-14-2 | | | | | | | | | | | |
| 159 | 1834 | 14.7mg | n.s.s. | 0/20 | 27.0mg | 1/20 | | | Leonard;jnci,79,1313-1319;1987/pers.comm. | | |
| a | 1834 | 14.7mg | n.s.s. | 0/20 | 27.0mg | 1/20 | | | | | |
| 2,6-DINITROTOLUENE 606-20-2 | | | | | | | | | | | |
| 160 | 1834 | .305mg | 1.06mg | 0/20 | 7.00mg | 17/20 | 14.0mg | 19/19 | Leonard;jnci,79,1313-1319;1987/pers.comm. | | |
| a | 1834 | .305mg | 1.06mg | 0/20 | 7.00mg | 17/20 | 14.0mg | 19/19 | | | |
| b | 1834 | .587mg | 1.65mg | 0/20 | 7.00mg | 18/20 | 14.0mg | 15/19 | | | |
| c | 1834 | 8.41mg | n.s.s. | 0/20 | 7.00mg | 2/20 | 14.0mg | 0/19 | | | |
| d | 1834 | 11.2mg | n.s.s. | 0/20 | 7.00mg | 1/20 | 14.0mg | 0/19 | | | |
| DINITROTOLUENE, TECHNICAL GRADE (2,4 (77%)- and 2,6 (19%)-) --- | | | | | | | | | | | |
| 161 | 1834 | 3.82mg | 20.9mg | 0/20 | 35.0mg | 10/19 | | | Leonard;jnci,79,1313-1319;1987/pers.comm. | | |
| a | 1834 | 4.32mg | 26.1mg | 0/20 | 35.0mg | 9/19 | | | | | |
| b | 1834 | 13.2mg | n.s.s. | 0/20 | 35.0mg | 2/19 | | | | | |
| DIPENTYLNITROSAMINE 13256-06-9 | | | | | | | | | | | |
| 162 | 1824 | 4.75mg | 12.7mg | 0/144 | 2.50mg | 3/24 | 7.50mg | 8/24 | 22.5mg | 24/24 | Elashoff;jnci,79,509-526;1987 |
| 163 | 1824 | 1.74mg | 4.46mg | 1/144 | 2.00mg | 7/24 | 6.00mg | 22/24 | 18.0mg | 23/24 | |
| DIPHENHYDRAMINE.HCl*** (Benadryl) 147-24-0 | | | | | | | | | | | |
| 164 | c56075 | 33.1mg | n.s.s. | 37/50 | 20.1mg | 39/50 | 40.3mg | 32/50 | | | |
| a | c56075 | 80.6mg | n.s.s. | 5/50 | 20.1mg | 5/50 | 40.3mg | 7/50 | liv:hpa,hpc,nnd. | | |
| b | c56075 | 98.7mg | n.s.s. | 3/50 | 20.1mg | 2/50 | 40.3mg | 6/50 | lun:a/a,a/c. | | |
| 165 | c56075 | 16.0mg | n.s.s. | 4/50 | 18.5mg | 14/50 | (37.2mg) | 5/50 | S | | |
| a | c56075 | 31.3mg | n.s.s. | 30/50 | 18.5mg | 32/50 | 37.2mg | 22/50 | | | |
| b | c56075 | 34.1mg | n.s.s. | 12/50 | 18.5mg | 18/50 | 37.2mg | 12/50 | liv:hpa,hpc,nnd. | | |
| c | c56075 | 31.8mg | n.s.s. | 6/50 | 18.5mg | 7/50 | (37.2mg) | 0/50 | lun:a/a,a/c. | | |
| 166 | c56075 | 8.55mg | n.s.s. | 23/50 | 7.62mg | 26/50 | 15.4mg | 35/50 | | | |
| a | c56075 | 8.16mg | n.s.s. | 47/50 | 7.62mg | 46/50 | 15.4mg | 46/50 | | | |
| b | c56075 | n.s.s. | n.s.s. | 0/50 | 7.62mg | 0/50 | 15.4mg | 0/50 | liv:hpa,hpc,nnd. | | |
| 167 | c56075 | 29.3mg | 1.71gm | 0/50 | 12.3mg | 5/50 | 24.6mg | 3/50 | S | | |
| a | c56075 | 46.0mg | 6.01gm | 0/50 | 12.3mg | 0/50 | 24.6mg | 4/50 | S | | |
| b | c56075 | 25.0mg | n.s.s. | 1/50 | 12.3mg | 6/50 | 24.6mg | 5/50 | lun:a/a,a/c. | | |
| c | c56075 | 45.5mg | n.s.s. | 1/50 | 12.3mg | 0/50 | 24.6mg | 5/50 | bra:ast,gln. | | |
| d | c56075 | 7.16mg | n.s.s. | 47/50 | 12.3mg | 49/50 | 24.6mg | 47/50 | | | |
| e | c56075 | 59.7mg | n.s.s. | 0/50 | 12.3mg | 1/50 | 24.6mg | 1/50 | liv:hpa,hpc,nnd. | | |
| 5,5-DIPHENYLHYDANTOIN*** (phenytoin) 57-41-0 | | | | | | | | | | | |
| 168 | 1887 | 45.8mg | n.s.s. | 0/49 | 7.07mg | 2/49 | 14.1mg | 1/45 | Maeda;jtxe,24,111-119;1988 | | |
| a | 1887 | 56.3mg | n.s.s. | 0/49 | 7.07mg | 2/49 | 14.1mg | 0/45 | | | |
| b | 1887 | 74.5mg | n.s.s. | 0/49 | 7.07mg | 0/49 | 14.1mg | 1/45 | | | |
| c | 1887 | 55.4mg | n.s.s. | 1/49 | 7.07mg | 2/49 | 14.1mg | 1/45 | | | |
| d | 1887 | 97.3mg | n.s.s. | 1/49 | 7.07mg | 1/49 | 14.1mg | 0/45 | | | |
| 169 | 1887 | 41.0mg | n.s.s. | 3/47 | 6.53mg | 0/44 | 13.1mg | 4/43 | | | |
| a | 1887 | 22.3mg | n.s.s. | 26/47 | 6.53mg | 20/44 | 13.1mg | 16/43 | | | |
| b | 1887 | 28.9mg | n.s.s. | 19/47 | 6.53mg | 12/44 | 13.1mg | 11/43 | | | |
| c | 1887 | 28.7mg | n.s.s. | 7/47 | 6.53mg | 8/44 | 13.1mg | 5/43 | | | |
| d | 1887 | 58.2mg | n.s.s. | 6/47 | 6.53mg | 3/44 | 13.1mg | 2/43 | | | |
| 170 | 1855 | 241.mg | n.s.s. | 1/50 | 11.6mg | 0/47 | 23.2mg | 1/48 | Jang;fctx,25,697-702;1987 | | |
| a | 1855 | 87.5mg | n.s.s. | 0/50 | 11.6mg | 0/47 | 23.2mg | 0/48 | | | |
| b | 1855 | 37.0mg | n.s.s. | 13/50 | 11.6mg | 11/50 | 23.2mg | 19/48 | | | |
| 171 | 1855 | 177.mg | n.s.s. | 0/50 | 9.29mg | 0/48 | 18.6mg | 1/50 | | | |
| a | 1855 | 133.mg | n.s.s. | 1/50 | 9.29mg | 2/48 | 18.6mg | 1/50 | | | |
| b | 1855 | 22.8mg | n.s.s. | 22/50 | 9.29mg | 22/48 | 18.6mg | 26/50 | | | |

| Spe | Strain | Site | Xpo+Xpt | | TD50 | 2Tailpvl |
|-------------------------------------|--------|-------------|---|---|----------|----------|
| Sex | Route | Hist | Notes | | DR | AuOp |
| 1,2-EPOXYBUTANE | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 172 | M f | b6c inh TBA | MXB 24m24 s | : | 141.mg * | P<.4 - |
| a | M f | b6c inh liv | MXB 24m24 s | | 445.mg * | P<.3 |
| b | M f | b6c inh lun | MXB 24m24 s | | 834.mg * | P<.6 |
| 173 | M m | b6c inh TBA | MXB 24m24 | : | 2.47gm * | P<.1 - |
| a | M m | b6c inh liv | MXB 24m24 | | 8.60gm * | P<.1 |
| b | M m | b6c inh lun | MXB 24m24 | | no dre | P=1. |
| 174 | R f | f34 inh pta | adn 24m24 | : | 83.8mg * | P<.05 |
| a | R f | f34 inh thy | MXA 24m24 | | 509.mg * | P<.03 |
| b | R f | f34 inh ova | MXA 24m24 | | 545.mg * | P<.03 |
| c | R f | f34 inh nas | ppa 24m24 | | 1.73gm * | P<.09 e |
| d | R f | f34 inh TBA | MXB 24m24 | | 78.0mg * | P<.2 |
| e | R f | f34 inh liv | MXB 24m24 | | no dre | P=1. |
| 175 | R m | f34 inh | MXB MXB 24m24 | : | 106.mg * | P<.0005 |
| a | R m | f34 inh lun | MXA 24m24 | | 220.mg * | P<.006 c |
| b | R m | f34 inh nas | ppa 24m24 | | 220.mg * | P<.002 c |
| c | R m | f34 inh | MXA MXA 24m24 | | 30.7mg | P<.04 |
| d | R m | f34 inh lun | a/c 24m24 | | 314.mg * | P<.02 c |
| e | R m | f34 inh TBA | MXB 24m24 | | 79.6mg * | P<.3 |
| f | R m | f34 inh liv | MXB 24m24 | | 622.mg * | P<.5 |
| ERYTHROMYCIN STEARATE | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 176 | M f | b6c eat TBA | MXB 24m24 | : | no dre | P=1. - |
| a | M f | b6c eat liv | MXB 24m24 | | no dre | P=1. |
| b | M f | b6c eat lun | MXB 24m24 | | no dre | P=1. |
| 177 | M m | b6c eat TBA | MXB 24m24 | : | no dre | P=1. - |
| a | M m | b6c eat liv | MXB 24m24 | | no dre | P=1. |
| b | M m | b6c eat lun | MXB 24m24 | | no dre | P=1. |
| 178 | R f | f34 eat TBA | MXB 24m24 | : | no dre | P=1. - |
| a | R f | f34 eat liv | MXB 24m24 | | 5.85gm * | P<.2 |
| 179 | R m | f34 eat TBA | MXB 24m24 | : | 2.02gm * | P<.8 - |
| a | R m | f34 eat liv | MXB 24m24 | | 3.95gm * | P<.3 |
| ETHOXYQUIN*** | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 180 | R m | f3d eat eso | tum 52w52 er | : | no dre | P=1. - |
| a | R m | f3d eat for | tum 52w52 er | | no dre | P=1. - |
| b | R m | f3d eat liv | tum 52w52 er | | no dre | P=1. - |
| ETHYLENE OXIDE*** | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 181 | M f | b6c inh | MXB MXB 24m24 | : | 39.2mg * | P<.002 |
| a | M f | b6c inh | MXB MXB 24m24 | | 45.8mg * | P<.0005 |
| b | M f | b6c inh lun | MXA 24m24 | | 61.8mg * | P<.0005c |
| c | M f | b6c inh lun | a/a 24m24 | | 87.5mg * | P<.002 c |
| d | M f | b6c inh lun | a/c 24m24 | | 200.mg * | P<.004 c |
| e | M f | b6c inh liv | hpa 24m24 | | 75.8mg | P<.02 |
| f | M f | b6c inh | mgl MXA 24m24 | | 76.3mg | P<.02 p |
| g | M f | b6c inh | MXB MXB 24m24 | | 79.2mg * | P<.02 |
| h | M f | b6c inh | MXA MXA 24m24 | | 139.mg * | P<.06 p |
| i | M f | b6c inh | hag pcy 24m24 | | 142.mg * | P<.04 c |
| j | M f | b6c inh | ute MXA 24m24 | | 250.mg * | P<.02 p |
| k | M f | b6c inh | ute acn 24m24 | | 297.mg * | P<.02 p |
| l | M f | b6c inh | TBA MXB 24m24 | | 103.mg * | P<.4 |
| m | M f | b6c inh | liv MXB 24m24 | | 149.mg | P<.4 |
| n | M f | b6c inh | lun MXB 24m24 | | 61.8mg * | P<.0005 |
| 182 | M m | b6c inh | MXB MXB 24m24 | : | 51.2mg * | P<.04 |
| a | M m | b6c inh | lun MXA 24m24 | | 65.7mg * | P<.06 c |
| b | M m | b6c inh | lun a/c 24m24 | | 110.mg * | P<.08 c |
| c | M m | b6c inh | hag pcy 24m24 | | 110.mg * | P<.04 c |
| d | M m | b6c inh | lun a/a 24m24 | | 181.mg * | P<.3 c |
| e | M m | b6c inh | TBA MXB 24m24 | | 108.mg * | P<.5 |
| f | M m | b6c inh | liv MXB 24m24 | | 273.mg * | P<.6 |
| g | M m | b6c inh | lun MXB 24m24 | | 65.7mg * | P<.06 |
| DI(2-ETHYLHEXYL)PHTHALATE*** | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 183 | R m | f34 eat | liv mix 95w95 er | : | 499.mg | P<.003 + |
| a | R m | f34 eat | liv hpc 95w95 er | | 895.mg | P<.02 |
| b | R m | f34 eat | liv hpn 95w95 er | | 2.05gm | P<.2 |
| ETHYNYDIOL DIACETATE*** | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 184 | R f | win gav | liv tum 60w60 er | : | no dre | P=1. - |
| FORMALDEHYDE*** | | | | | | |
| | | | 100ng...1ug...10...100...1mg...10...100...1g...10 | | | |
| 185 | R f | sda wat | --- Leu 24m34 er | : | 815.mg * | P<.04 + |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | |
|---|--------|--------|--------|-------|--------|-------|--------|-----------------------|---|------|
| 1,2-EPOXYBUTANE 106-88-7 | | | | | | | | | | |
| 172 | c55527 | 35.3mg | n.s.s. | 35/50 | 45.5mg | 29/50 | 90.9mg | 20/50 | | |
| a | c55527 | 118.mg | n.s.s. | 4/50 | 45.5mg | 3/50 | 90.9mg | 5/50 | liv:hpa,hpc,nnd. | |
| b | c55527 | 135.mg | n.s.s. | 4/50 | 45.5mg | 3/50 | 90.9mg | 3/50 | lun:a/a,a/c. | |
| 173 | c55527 | 81.5mg | n.s.s. | 28/50 | 37.9mg | 26/50 | 75.8mg | 24/50 | | |
| a | c55527 | 137.mg | n.s.s. | 14/50 | 37.9mg | 13/50 | 75.8mg | 12/50 | liv:hpa,hpc,nnd. | |
| b | c55527 | 228.mg | n.s.s. | 11/50 | 37.9mg | 9/50 | 75.8mg | 6/50 | lun:a/a,a/c. | |
| 174 | c55527 | 35.2mg | n.s.s. | 25/50 | 43.3mg | 26/50 | 86.6mg | 32/50 | | S |
| a | c55527 | 174.mg | n.s.s. | 0/50 | 43.3mg | 1/50 | 86.6mg | 3/50 | thy:fca,fcc. | S |
| b | c55527 | 181.mg | n.s.s. | 0/50 | 43.3mg | 1/50 | 86.6mg | 3/50 | ova:gcc,gct,tcn. | S |
| c | c55527 | 422.mg | n.s.s. | 0/50 | 43.3mg | 0/50 | 86.6mg | 2/50 | | |
| d | c55527 | 27.9mg | n.s.s. | 45/50 | 43.3mg | 47/50 | 86.6mg | 47/50 | | |
| e | c55527 | 601.mg | n.s.s. | 1/50 | 43.3mg | 0/50 | 86.6mg | 0/50 | liv:hpa,hpc,nnd. | |
| 175 | c55527 | 56.3mg | 241.mg | 0/50 | 30.3mg | 2/50 | 60.6mg | 12/50 | lun:a/a,a/c; nas:ppa. | C |
| a | c55527 | 92.8mg | 684.mg | 0/50 | 30.3mg | 2/50 | 60.6mg | 5/50 | lun:a/a,a/c. | |
| b | c55527 | 93.7mg | 872.mg | 0/50 | 30.3mg | 0/50 | 60.6mg | 7/50 | | |
| c | c55527 | 12.5mg | n.s.s. | 25/50 | 30.3mg | 31/50 | 60.6mg | 22/50 | mul:mnl; spl:mnl. | S |
| d | c55527 | 116.mg | n.s.s. | 0/50 | 30.3mg | 1/50 | 60.6mg | 4/50 | | |
| e | c55527 | 22.4mg | n.s.s. | 46/50 | 30.3mg | 48/50 | 60.6mg | 47/50 | | |
| f | c55527 | 120.mg | n.s.s. | 2/50 | 30.3mg | 2/50 | 60.6mg | 3/50 | liv:hpa,hpc,nnd. | |
| ERYTHROMYCIN STEARATE 643-22-1 | | | | | | | | | | |
| 176 | c55674 | 634.mg | n.s.s. | 44/50 | 322.mg | 41/50 | 644.mg | 39/50 | | |
| a | c55674 | 2.62gm | n.s.s. | 4/50 | 322.mg | 6/50 | 644.mg | 2/50 | liv:hpa,hpc,nnd. | |
| b | c55674 | 3.34gm | n.s.s. | 4/50 | 322.mg | 3/50 | 644.mg | 2/50 | lun:a/a,a/c. | |
| 177 | c55674 | 1.02gm | n.s.s. | 37/50 | 297.mg | 26/50 | 594.mg | 29/50 | | |
| a | c55674 | 1.77gm | n.s.s. | 15/50 | 297.mg | 8/50 | 594.mg | 11/50 | liv:hpa,hpc,nnd. | |
| b | c55674 | 2.30gm | n.s.s. | 6/50 | 297.mg | 5/50 | 594.mg | 4/50 | lun:a/a,a/c. | |
| 178 | c55674 | 153.mg | n.s.s. | 49/50 | 248.mg | 48/50 | 495.mg | 42/50 | | |
| a | c55674 | 1.77gm | n.s.s. | 0/50 | 248.mg | 1/50 | 495.mg | 2/50 | liv:hpa,hpc,nnd. | |
| 179 | c55674 | 197.mg | n.s.s. | 45/50 | 198.mg | 46/50 | 396.mg | 47/50 | | |
| a | c55674 | 957.mg | n.s.s. | 1/50 | 198.mg | 1/50 | 396.mg | 3/50 | liv:hpa,hpc,nnd. | |
| ETHOXYQUIN*** 91-53-2 | | | | | | | | | | |
| 180 | 1900 | 51.5mg | n.s.s. | 0/10 | 100.mg | 0/10 | | | Hirose;carc,8,1731-1735;1987/pers.comm. | |
| a | 1900 | 51.5mg | n.s.s. | 0/10 | 100.mg | 0/10 | | | | |
| b | 1900 | 51.5mg | n.s.s. | 0/10 | 100.mg | 0/10 | | | | |
| ETHYLENE OXIDE*** (EO) 75-21-8 | | | | | | | | | | |
| 181 | c50088 | 21.7mg | 163.mg | 13/50 | 27.8mg | 22/50 | 55.6mg | 43/50 | duo:mno; hag:pcy; kid:mno; lun:a/a,a/c; mds:mno; mgl:acn,adq; mln:mno; mul:mlh,mno; spl:mno; ute:acn,adn,mno. | M |
| a | c50088 | 27.3mg | 120.mg | 3/50 | 27.8mg | 9/50 | 55.6mg | 26/50 | hag:pcy; lun:a/a,a/c. | C |
| b | c50088 | 36.0mg | 163.mg | 2/50 | 27.8mg | 5/50 | 55.6mg | 22/50 | lun:a/a,a/c. | |
| c | c50088 | 47.0mg | 362.mg | 2/50 | 27.8mg | 4/50 | 55.6mg | 17/50 | | |
| d | c50088 | 90.3mg | 1.25gm | 0/50 | 27.8mg | 1/50 | 55.6mg | 7/50 | | |
| e | c50088 | 31.2mg | 41.7gm | 1/50 | 27.8mg | 8/50 | 55.6mg | 3/50 | | S |
| f | c50088 | 31.5mg | n.s.s. | 1/50 | 27.8mg | 8/50 | 55.6mg | 6/50 | mgl:acn,adq. | |
| g | c50088 | 38.7mg | n.s.s. | 10/50 | 27.8mg | 14/50 | 55.6mg | 29/50 | duo:mno; kid:mno; mds:mno; mgl:acn,adq; mln:mno; mul:mlh,mno; spl:mno; ute:acn,adn,mno. | P |
| h | c50088 | 57.8mg | n.s.s. | 9/50 | 27.8mg | 6/50 | 55.6mg | 22/50 | duo:mno; kid:mno; mds:mno; mln:mno; mul:mlh,mno; spl:mno; ute:mno. | |
| i | c50088 | 64.9mg | n.s.s. | 1/50 | 27.8mg | 6/50 | 55.6mg | 8/50 | | |
| j | c50088 | 107.mg | n.s.s. | 0/50 | 27.8mg | 2/50 | 55.6mg | 5/50 | ute:acn,adn. | |
| k | c50088 | 120.mg | n.s.s. | 0/50 | 27.8mg | 1/50 | 55.6mg | 5/50 | | |
| l | c50088 | 27.6mg | n.s.s. | 30/50 | 27.8mg | 33/50 | 55.6mg | 46/50 | | |
| m | c50088 | 34.7mg | n.s.s. | 6/50 | 27.8mg | 9/50 | 55.6mg | 3/50 | liv:hpa,hpc,nnd. | |
| n | c50088 | 36.0mg | 163.mg | 2/50 | 27.8mg | 5/50 | 55.6mg | 22/50 | lun:a/a,a/c. | |
| 182 | c50088 | 22.5mg | n.s.s. | 12/50 | 23.1mg | 26/50 | 46.3mg | 29/50 | hag:pcy; lun:a/a,a/c. | C |
| a | c50088 | 27.8mg | n.s.s. | 11/50 | 23.1mg | 19/50 | 46.3mg | 26/50 | lun:a/a,a/c. | |
| b | c50088 | 44.0mg | n.s.s. | 6/50 | 23.1mg | 10/50 | 46.3mg | 16/50 | | |
| c | c50088 | 52.1mg | n.s.s. | 1/50 | 23.1mg | 9/50 | 46.3mg | 8/50 | | |
| d | c50088 | 54.5mg | n.s.s. | 5/50 | 23.1mg | 11/50 | 46.3mg | 11/50 | | |
| e | c50088 | 24.4mg | n.s.s. | 29/50 | 23.1mg | 38/50 | 46.3mg | 41/50 | | |
| f | c50088 | 53.7mg | n.s.s. | 15/50 | 23.1mg | 17/50 | 46.3mg | 21/50 | liv:hpa,hpc,nnd. | |
| g | c50088 | 27.8mg | n.s.s. | 11/50 | 23.1mg | 19/50 | 46.3mg | 26/50 | lun:a/a,a/c. | |
| DI(2-ETHYLHEXYL)PHTHALATE*** (di-sec-octyl phthalate) 117-81-7 | | | | | | | | | | |
| 183 | 1823 | 193.mg | 2.61gm | 0/8 | 800.mg | 6/10 | | | Rao;carc,8,1347-1350;1987 | |
| a | 1823 | 303.mg | n.s.s. | 0/8 | 800.mg | 4/10 | | | | |
| b | 1823 | 501.mg | n.s.s. | 0/8 | 800.mg | 2/10 | | | | |
| ETHYNODIOL DIACETATE*** (Ovulen-50) 297-76-7 | | | | | | | | | | |
| 184 | 1905 | 1.68mg | n.s.s. | 0/6 | 4.08mg | 0/6 | | | Annapurna;ijbb,25,708-713;1988 | |
| FORMALDEHYDE*** 50-00-0 | | | | | | | | | | |
| 185 | bt7001 | 316.mg | n.s.s. | 3/50 | .410mg | 2/50 | 2.05mg | 4/50 | 4.10mg | 4/50 |
| | | | | | 61.5mg | 7/50 | | | | 7/50 |
| | | | | | | | | | Soffritti;txih,5,699-730;1989 | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|---|--------|---------|---------|--------------|---------|------------|
| Sex | Route | Hist | | | DR | AuOp |
| a | R f | sda wat | --- | lls 24m34 er | 996.mg | * P<.03 + |
| b | R f | sda wat | git mix | 24m34 er | 2.96gm | * P<.2 + |
| 186 | R m | sda wat | --- | lls 24m34 er | 424.mg | * P<.0005+ |
| a | R m | sda wat | --- | leu 24m34 er | 480.mg | * P<.01 + |
| b | R m | sda wat | git mix | 24m34 er | 1.41gm | * P<.02 + |
| FUROSEMIDE 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 187 | M f | b6c eat | mgl | MXA 24m24 | 732.mg | * P<.004 p |
| a | M f | b6c eat | mgl | mtm 24m24 | 845.mg | * P<.004 |
| b | M f | b6c eat | thy | fca 24m24 | 703.mg | * P<.02 |
| c | M f | b6c eat | TBA | MXB 24m24 | 136.mg | * P<.02 |
| d | M f | b6c eat | liv | MXB 24m24 | 3.97gm | * P<.8 |
| e | M f | b6c eat | lun | MXB 24m24 | 2.71gm | * P<.6 |
| 188 | M m | b6c eat | TBA | MXB 24m24 | 393.mg | * P<.5 - |
| a | M m | b6c eat | liv | MXB 24m24 | 405.mg | * P<.2 |
| b | M m | b6c eat | lun | MXB 24m24 | no dre | P=1. |
| 189 | R f | f34 eat | thy | MXA 24m24 | #47.1mg | * P<.003 - |
| a | R f | f34 eat | thy | cca 24m24 | 51.4mg | * P<.004 |
| b | R f | f34 eat | TBA | MXB 24m24 | 20.9mg | / P<.04 |
| c | R f | f34 eat | liv | MXB 24m24 | no dre | P=1. |
| 190 | R m | f34 eat | pta | adn 24m24 | 27.0mg | P<.05 |
| a | R m | f34 eat | kid | MXA 24m24 | 370.mg | * P<.7 e |
| b | R m | f34 eat | brm | mng 24m24 | no dre | P=1. e |
| c | R m | f34 eat | TBA | MXB 24m24 | no dre | P=1. |
| d | R m | f34 eat | liv | MXB 24m24 | no dre | P=1. |
| GERANYL ACETATE, FOOD GRADE (71% GERANYL ACETATE, 29% CITRONELLYL ACETATE)10.....100.....1g.....10 | | | | | | |
| 191 | M f | b6c gav | TBA | MXB 23m24 as | 353.mg | * P<.02 - |
| a | M f | b6c gav | liv | MXB 23m24 as | 2.73gm | * P<.4 |
| b | M f | b6c gav | lun | MXB 23m24 as | 5.30gm | * P<.4 |
| 192 | M m | b6c gav | TBA | MXB 23m24 as | 485.mg | / P<.04 - |
| a | M m | b6c gav | liv | MXB 23m24 as | 647.mg | / P<.005 |
| b | M m | b6c gav | lun | MXB 23m24 as | 5.26gm | * P<.6 |
| 193 | R f | f34 gav | TBA | MXB 24m24 | no dre | P=1. - |
| a | R f | f34 gav | liv | MXB 24m24 | 45.1gm | * P<.3 |
| 194 | R m | f34 gav | tes | ict 24m24 s | 772.mg | * P<.03 |
| a | R m | f34 gav | ski | MXA 24m24 s | 5.05gm | * P<.05 |
| b | R m | f34 gav | ski | sqp 24m24 s | 6.12gm | * P<.06 e |
| c | R m | f34 gav | kid | tla 24m24 s | 20.2gm | * P<.5 e |
| d | R m | f34 gav | TBA | MXB 24m24 s | 9.26gm | * P<.8 |
| e | R m | f34 gav | liv | MXB 24m24 s | 15.4gm | * P<.2 |
| N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID ..1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 195 | M f | swa gav | liv | mix 12m31 e | 41.4gm | P<.1 |
| a | M f | swa gav | lun | mix 12m31 e | no dre | P=1. |
| b | M f | swa gav | sub | mix 12m31 e | no dre | P=1. |
| 196 | M m | swa gav | sub | lbs 12m31 e | 277.mg | P<.0005+ |
| a | M m | swa gav | lun | mix 12m31 e | 250.mg | P<.05 |
| b | M m | swa gav | liv | mix 12m31 e | no dre | P=1. |
| HEXACHLOROBENZENE*** 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 197 | R m | cdr eat | liv | nnd 28m28 be | 27.3mg | P<.1 |
| a | R m | cdr eat | liv | hpc 28m28 be | 55.3mg | P<.3 |
| b | R m | cdr eat | liv | blc 28m28 be | 55.3mg | P<.3 |
| 198 | R m | cdr eat | liv | nnd 28m28 e | 17.9mg | P<.05 |
| a | R m | cdr eat | liv | kcs 28m28 e | 55.3mg | P<.3 |
| gamma-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE*** ..1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 199 | M f | baa eat | lun | tum 26w52 er | 1.26gm | P<.1 |
| a | M f | baa eat | liv | hpc 26w52 er | no dre | P=1. - |
| b | M f | baa eat | liv | hpa 26w52 er | no dre | P=1. - |
| 200 | M f | baa eat | lun | tum 6m24 er | 15.9gm | P<.1 |
| a | M f | baa eat | liv | hpc 6m24 er | no dre | P=1. - |
| b | M f | baa eat | liv | hpa 6m24 er | no dre | P=1. - |
| 201 | M f | baa eat | liv | hpa 52w52 er | no dre | P=1. - |
| a | M f | baa eat | liv | hpc 52w52 er | no dre | P=1. - |
| b | M f | baa eat | lun | tum 52w52 er | no dre | P=1. - |
| 202 | M f | baa eat | lun | tum 24m24 er | 1.33gm | P<.7 - |
| a | M f | baa eat | liv | hpc 24m24 er | no dre | P=1. - |
| b | M f | baa eat | liv | hpa 24m24 er | no dre | P=1. - |
| c | M f | baa eat | liv | mix 24m24 er | no dre | P=1. - |
| 203 | M f | pva eat | lun | tum 52w52 er | no dre | P=1. |

| Spe | Strain | Site | Xpo+Xpt | | | | | | | TD50 | 2Tailpvl |
|-----------------------------|---------|---------|-----------|----|---|---|---|--|--|--------|------------|
| Sex | Route | Hist | Notes | | | | | | | DR | Au0p |
| a | M f pva | eat liv | hpc 52w52 | er | | | | | | no dre | P=1. - |
| b | M f pva | eat liv | hpa 52w52 | er | | | | | | no dre | P=1. - |
| 204 | M f pva | eat liv | mix 24m24 | er | . | ± | | | | 132.mg | P<.05 + |
| a | M f pva | eat lun | tum 24m24 | er | | | | | | 170.mg | P<.09 + |
| b | M f pva | eat liv | hpa 24m24 | er | | | | | | 207.mg | P<.2 |
| c | M f pva | eat liv | hpc 24m24 | er | | | | | | 435.mg | P<.3 |
| 205 | M f yva | eat lun | tum 26w52 | er | . | > | | | | 84.6mg | P<.3 |
| a | M f yva | eat liv | hpc 26w52 | er | | | | | | no dre | P=1. - |
| b | M f yva | eat liv | hpa 26w52 | er | | | | | | no dre | P=1. - |
| 206 | M f yva | eat lun | tum 6m24 | er | . | ± | | | | 52.2mg | P<.1 |
| a | M f yva | eat liv | hpa 6m24 | er | | | | | | 62.3mg | P<.3 - |
| b | M f yva | eat liv | hpc 6m24 | er | | | | | | 396.mg | P<.9 - |
| 207 | M f yva | eat liv | hpa 52w52 | er | . | > | | | | 162.mg | P<.7 |
| a | M f yva | eat lun | tum 52w52 | er | | | | | | 169.mg | P<.3 |
| b | M f yva | eat liv | hpc 52w52 | er | | | | | | no dre | P=1. |
| 208 | M f yva | eat liv | mix 24m24 | er | . | + | . | | | 28.8mg | P<.0005+ |
| a | M f yva | eat liv | hpa 24m24 | er | | | | | | 41.6mg | P<.0005+ |
| b | M f yva | eat lun | tum 24m24 | er | | | | | | 85.3mg | P<.002 + |
| c | M f yva | eat liv | hpc 24m24 | er | | | | | | 294.mg | P<.5 - |
| HEXACHLOROETHANE*** | | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 209 | R f f34 | gav TBA | MXB 24m24 | | | | | | | no dre | P=1. - |
| a | R f f34 | gav liv | MXB 24m24 | | | | | | | 276.gm | * P<.1. |
| 210 | R m f34 | gav MXA | MXA 24m24 | | : | ± | | | | 8.02mg | P<.03 e |
| a | R m f34 | gav MXA | MXA 24m24 | | | | | | | 9.05mg | P<.04 |
| b | R m f34 | gav kid | MXA 24m24 | | | | | | | 55.4mg | * P<.02 c |
| c | R m f34 | gav kid | ruc 24m24 | | | | | | | 159.mg | * P<.04 |
| d | R m f34 | gav TBA | MXB 24m24 | | | | | | | 28.0mg | * P<.5 |
| e | R m f34 | gav liv | MXB 24m24 | | | | | | | 1.34gm | * P<.9 |
| 4-HEXYLRESORCINOL | | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 211 | M f b6c | gav TBA | MXB 24m24 | | | | | | | no dre | P=1. - |
| a | M f b6c | gav liv | MXB 24m24 | | | | | | | no dre | P=1. |
| b | M f b6c | gav lun | MXB 24m24 | | | | | | | no dre | P=1. |
| 212 | M m b6c | gav hag | MXA 24m24 | | : | ± | | | | 368.mg | * P<.03 e |
| a | M m b6c | gav amd | phe 24m24 | | | | | | | 519.mg | * P<.07 e |
| b | M m b6c | gav TBA | MXB 24m24 | | | | | | | no dre | P=1. |
| c | M m b6c | gav liv | MXB 24m24 | | | | | | | no dre | P=1. |
| d | M m b6c | gav lun | MXB 24m24 | | | | | | | no dre | P=1. |
| 213 | R f f34 | gav TBA | MXB 24m24 | | | | | | | no dre | P=1. - |
| a | R f f34 | gav liv | MXB 24m24 | | | | | | | 128.gm | * P<.1. |
| 214 | R m f34 | gav TBA | MXB 24m24 | | : | > | | | | 615.mg | P<.1. - |
| a | R m f34 | gav liv | MXB 24m24 | | | | | | | 1.53gm | * P<.3 |
| HYDRAZINE SULFATE*** | | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 215 | H m syg | wat liv | hpc 24m24 | er | . | + | . | | | 181.mg | * P<.0005+ |
| a | H m syg | wat liv | mhs 24m24 | er | | | | | | 2.58gm | * P<.3 |
| b | H m syg | wat liv | hpa 24m24 | er | | | | | | 2.59gm | * P<.5 |
| c | H m syg | wat liv | rts 24m24 | er | | | | | | 2.59gm | * P<.5 |
| p-HYDRAZINOBENZOIC ACID.HCl | | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 216 | M f swa | wat aol | mix 28m28 | e | . | + | . | | | 1.07gm | P<.0005+ |
| a | M f swa | wat aol | lei 28m28 | e | | | | | | 1.97gm | P<.01 + |
| b | M f swa | wat lun | ade 28m28 | e | | | | | | 1.17gm | P<.04 |
| c | M f swa | wat aol | ley 28m28 | e | | | | | | 2.66gm | P<.03 + |
| d | M f swa | wat lun | mix 28m28 | e | | | | | | 1.14gm | P<.2 |
| e | M f swa | wat lun | adc 28m28 | e | | | | | | 11.2gm | P<.9 |
| 217 | M m swa | wat aol | mix 28m28 | e | . | + | . | | | 380.mg | P<.0005+ |
| a | M m swa | wat aol | lei 28m28 | e | | | | | | 609.mg | P<.002 + |
| b | M m swa | wat aol | ley 28m28 | e | | | | | | 1.49gm | P<.005 + |
| c | M m swa | wat lun | ade 28m28 | e | | | | | | 597.mg | P<.07 |
| d | M m swa | wat lun | mix 28m28 | e | | | | | | 675.mg | P<.3 |
| e | M m swa | wat lun | adc 28m28 | e | | | | | | no dre | P=1. |
| HYDROCHLOROTHIAZIDE | | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 218 | M f b6c | eat TBA | MXB 24m24 | | | | | | | no dre | P=1. - |
| a | M f b6c | eat liv | MXB 24m24 | | | | | | | no dre | P=1. |
| b | M f b6c | eat lun | MXB 24m24 | | | | | | | no dre | P=1. |
| 219 | M m b6c | eat liv | MXA 24m24 | | : | + | | | | 1.23gm | * P<.008 e |
| a | M m b6c | eat liv | hpa 24m24 | | | | | | | 1.49gm | * P<.007 |
| b | M m b6c | eat TBA | MXB 24m24 | | | | | | | 3.82gm | / P<.7 |
| c | M m b6c | eat liv | MXB 24m24 | | | | | | | 1.23gm | * P<.008 |
| d | M m b6c | eat lun | MXB 24m24 | | | | | | | 19.8gm | * P<.9 |
| 220 | R f f34 | eat TBA | MXB 24m25 | | | | | | | no dre | P=1. - |
| a | R f f34 | eat liv | MXB 24m25 | | | | | | | no dre | P=1. |
| 221 | R f f34 | eat pit | mix 24m30 | | . | + | . | | | 33.9mg | P<.0005 |
| a | R f f34 | eat adr | phe 24m30 | | | | | | | 100.mg | P<.0005 |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | |
|--|--------|--------|--------|-------|--------|-------|---------|-----------------------|--|---|
| a | 1828o | 51.4mg | n.s.s. | 0/48 | 20.8mg | 0/48 | | | | |
| b | 1828o | 51.4mg | n.s.s. | 0/46 | 20.8mg | 0/48 | | | | |
| 204 | 1828r | 53.5mg | n.s.s. | 7/95 | 20.8mg | 16/95 | | | | |
| a | 1828r | 62.5mg | n.s.s. | 6/95 | 20.8mg | 13/94 | | | | |
| b | 1828r | 71.0mg | n.s.s. | 5/95 | 20.8mg | 11/95 | | | | |
| c | 1828r | 113.mg | n.s.s. | 2/95 | 20.8mg | 5/95 | | | | |
| 205 | 1828m | 13.8mg | n.s.s. | 0/48 | 10.4mg | 1/48 | | | | |
| a | 1828m | 25.7mg | n.s.s. | 0/48 | 10.4mg | 0/48 | | | | |
| b | 1828m | 25.7mg | n.s.s. | 2/48 | 10.4mg | 0/48 | | | | |
| 206 | 1828n | 18.4mg | n.s.s. | 4/95 | 5.20mg | 10/95 | | | | |
| a | 1828n | 17.4mg | n.s.s. | 8/93 | 5.20mg | 13/95 | | | | |
| b | 1828n | 21.5mg | n.s.s. | 12/93 | 5.20mg | 13/95 | | | | |
| 207 | 1828o | 19.7mg | n.s.s. | 2/48 | 20.8mg | 3/48 | | | | |
| a | 1828o | 27.6mg | n.s.s. | 0/48 | 20.8mg | 1/48 | | | | |
| b | 1828o | 51.4mg | n.s.s. | 0/48 | 20.8mg | 0/48 | | | | |
| 208 | 1828r | 17.1mg | 71.0mg | 20/93 | 20.8mg | 49/94 | | | | |
| a | 1828r | 24.6mg | 97.7mg | 8/93 | 20.8mg | 33/94 | | | | |
| b | 1828r | 43.3mg | 383.mg | 4/95 | 20.8mg | 18/95 | | | | |
| c | 1828r | 65.1mg | n.s.s. | 12/93 | 20.8mg | 16/94 | | | | |
| HEXACHLOROETHANE*** 67-72-1 | | | | | | | | | | |
| 209 | c04605 | 89.8mg | n.s.s. | 50/50 | 56.1mg | 44/50 | 111.mg | 43/50 | | |
| a | c04605 | 384.mg | n.s.s. | 1/50 | 56.1mg | 3/50 | 111.mg | 1/50 | | |
| 210 | c04605 | 3.35mg | n.s.s. | 15/50 | 7.01mg | 28/50 | (14.0mg | 21/50) | liv:hpa,hpc,nnnd. adr:pob; amd:pbb,phc,phm,pob. | |
| a | c04605 | 3.70mg | n.s.s. | 14/50 | 7.01mg | 26/50 | (14.0mg | 19/50) | adr:pob; amd:pbb,pob. S | |
| b | c04605 | 23.3mg | n.s.s. | 1/50 | 7.01mg | 2/50 | 14.0mg | 7/50 | kid:ade,rua,ruc. S | |
| c | c04605 | 47.3mg | n.s.s. | 0/50 | 7.01mg | 0/50 | 14.0mg | 3/50 | | |
| d | c04605 | 6.04mg | n.s.s. | 45/50 | 7.01mg | 48/50 | 14.0mg | 45/50 | | |
| e | c04605 | 53.9mg | n.s.s. | 2/50 | 7.01mg | 1/50 | 14.0mg | 2/50 | liv:hpa,hpc,nnnd. | |
| 4-HEXYLRESORCINOL 136-77-6 | | | | | | | | | | |
| 211 | c55787 | 124.mg | n.s.s. | 39/50 | 43.8mg | 22/50 | 87.6mg | 31/50 | | |
| a | c55787 | 699.mg | n.s.s. | 3/50 | 43.8mg | 0/50 | 87.6mg | 1/50 | liv:hpa,hpc,nnnd. | |
| b | c55787 | 585.mg | n.s.s. | 5/50 | 43.8mg | 0/50 | 87.6mg | 2/50 | lun:a/a,a/c. hag:adn,can. | |
| 212 | c55787 | 158.mg | n.s.s. | 0/50 | 43.8mg | 4/50 | 87.6mg | 3/50 | | |
| a | c55787 | 187.mg | n.s.s. | 1/50 | 43.8mg | 2/50 | 87.6mg | 5/50 | | |
| b | c55787 | 72.4mg | n.s.s. | 36/50 | 43.8mg | 34/50 | 87.6mg | 30/50 | | |
| c | c55787 | 115.mg | n.s.s. | 21/50 | 43.8mg | 9/50 | (87.6mg | 9/50) | liv:hpa,hpc,nnnd. lun:a/a,a/c. | |
| d | c55787 | 225.mg | n.s.s. | 10/50 | 43.8mg | 9/50 | 87.6mg | 5/50 | | |
| 213 | c55787 | 76.1mg | n.s.s. | 44/50 | 44.2mg | 39/50 | 88.4mg | 35/50 | | |
| a | c55787 | 548.mg | n.s.s. | 1/50 | 44.2mg | 0/50 | 88.4mg | 1/50 | liv:hpa,hpc,nnnd. | |
| 214 | c55787 | 22.8mg | n.s.s. | 44/50 | 44.2mg | 44/50 | (88.4mg | 36/50) | | |
| a | c55787 | 376.mg | n.s.s. | 0/50 | 44.2mg | 1/50 | 88.4mg | 1/50 | liv:hpa,hpc,nnnd. | |
| HYDRAZINE SULFATE*** 10034-93-2 | | | | | | | | | | |
| 215 | 1821 | 95.1mg | 431.mg | 0/31 | 20.4mg | 0/31 | 40.8mg | 4/31 | 61.2mg 9/31 | Bosan;carc,8,439-444;1987 |
| a | 1821 | 420.mg | n.s.s. | 0/31 | 20.4mg | 0/31 | 40.8mg | 0/31 | 61.2mg 1/31 | |
| b | 1821 | 421.mg | n.s.s. | 0/31 | 20.4mg | 0/31 | 40.8mg | 1/31 | 61.2mg 0/31 | |
| c | 1821 | 421.mg | n.s.s. | 0/31 | 20.4mg | 0/31 | 40.8mg | 1/31 | 61.2mg 0/31 | |
| p-HYDRAZINOBENZOIC ACID.HCL 24589-77-3 | | | | | | | | | | |
| 216 | 1741 | 462.mg | 3.77gm | 0/45 | 250.mg | 7/36 | | | | McManus;livt,57,78-85;1987 |
| a | 1741 | 680.mg | 212.gm | 0/45 | 250.mg | 4/36 | | | | |
| b | 1741 | 469.mg | n.s.s. | 5/48 | 250.mg | 13/49 | | | | |
| c | 1741 | 806.mg | n.s.s. | 0/45 | 250.mg | 3/36 | | | | |
| d | 1741 | 385.mg | n.s.s. | 12/48 | 250.mg | 19/49 | | | | |
| e | 1741 | 865.mg | n.s.s. | 7/48 | 250.mg | 8/49 | | | | |
| 217 | 1741 | 216.mg | 862.mg | 2/46 | 208.mg | 21/50 | | | | |
| a | 1741 | 309.mg | 2.24gm | 2/46 | 208.mg | 15/50 | | | | |
| b | 1741 | 606.mg | 11.3gm | 0/46 | 208.mg | 6/50 | | | | |
| c | 1741 | 219.mg | n.s.s. | 10/40 | 208.mg | 15/33 | | | | |
| d | 1741 | 191.mg | n.s.s. | 15/39 | 208.mg | 15/28 | | | | |
| e | 1741 | 652.mg | n.s.s. | 9/40 | 208.mg | 6/33 | | | | |
| HYDROCHLOROTHIAZIDE 58-93-5 | | | | | | | | | | |
| 218 | c55925 | 846.mg | n.s.s. | 36/50 | 320.mg | 35/50 | 638.mg | 27/50 | | |
| a | c55925 | 2.74gm | n.s.s. | 3/50 | 320.mg | 5/50 | 638.mg | 1/50 | | liv:hpa,hpc,nnnd. lun:a/a,a/c. |
| b | c55925 | 3.18gm | n.s.s. | 4/50 | 320.mg | 3/50 | 638.mg | 2/50 | | |
| 219 | c55925 | 612.mg | 24.4gm | 7/50 | 296.mg | 10/50 | 589.mg | 21/50 | | liv:hpa,hpc. S |
| a | c55925 | 747.mg | 20.3gm | 3/50 | 296.mg | 8/50 | 589.mg | 14/50 | | |
| b | c55925 | 610.mg | n.s.s. | 30/50 | 296.mg | 20/50 | 589.mg | 34/50 | | |
| c | c55925 | 612.mg | 24.4gm | 7/50 | 296.mg | 10/50 | 589.mg | 21/50 | | liv:hpa,hpc,nnnd. lun:a/a,a/c. |
| d | c55925 | 1.59gm | n.s.s. | 8/50 | 296.mg | 4/50 | 589.mg | 9/50 | | |
| 220 | c55925 | 88.0mg | n.s.s. | 49/50 | 12.4mg | 39/50 | 24.6mg | 39/50 | 99.1mg 37/50 | |
| a | c55925 | n.s.s. | n.s.s. | 0/50 | 12.4mg | 0/50 | 24.6mg | 0/50 | 99.1mg 0/50 | liv:hpa,hpc,nnnd. |
| 221 | 1854 | 18.4mg | 69.4mg | 0/24 | 44.0mg | 18/24 | | | | Lijinsky;txih,3,413-422;1987/pers.comm. |
| a | 1854 | 46.7mg | 285.mg | 0/24 | 44.0mg | 9/24 | | | | |

| Spe | Strain | Site | Xpo+Xpt | | | | TD50 | 2Tailpvl | |
|---|--------|------|-------------|----------|---|-----|-----------|----------|--|
| Sex | Route | Hist | Notes | | | | DR | AuOp | |
| b | R f | f34 | eat liv hpc | 24m30 | | | 1.11gm | P<.3 | |
| c | R f | f34 | eat liv nnd | 24m30 | | | no dre | P=1. | |
| d | R f | f34 | eat liv mix | 24m30 | | | no dre | P=1. | |
| 222 | R m | f34 | eat TBA MXB | 24m25 | : | > | 214.mg * | P<.7 - | |
| a | R m | f34 | eat liv MXB | 24m25 | | | 771.mg * | P<.3 | |
| 223 | R m | f34 | eat tes car | 24m30 | . | + . | 35.6mg | P<.0005 | |
| a | R m | f34 | eat pit mix | 24m30 | | | 71.3mg | P<.0005 | |
| b | R m | f34 | eat adr phe | 24m30 | | | 271.mg | P<.4 | |
| c | R m | f34 | eat liv mix | 24m30 | | | no dre | P=1. | |
| d | R m | f34 | eat liv hpc | 24m30 | | | no dre | P=1. | |
| e | R m | f34 | eat liv nnd | 24m30 | | | no dre | P=1. | |
| HYDROQUINONE | | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | | |
| 224 | M f | b6c | gav liv hpa | 24m24 | : | + : | 65.0mg | P<.002 | |
| a | M f | b6c | gav liv MXA | 24m24 | | | 122.mg * | P<.009 p | |
| b | M f | b6c | gav TBA MXB | 24m24 | | | no dre | P=1. | |
| c | M f | b6c | gav liv MXB | 24m24 | | | 122.mg * | P<.009 | |
| d | M f | b6c | gav lun MXB | 24m24 | | | 19.2gm * | P<.1 | |
| 225 | M m | b6c | gav TBA MXB | 24m24 | : | > | 497.mg * | P<.8 - | |
| a | M m | b6c | gav liv MXB | 24m24 | | | 383.mg * | P<.7 | |
| b | M m | b6c | gav lun MXB | 24m24 | | | no dre | P=1. | |
| 226 | R f | f34 | gav --- mnl | 24m24 | : | + : | 55.8mg * | P<.006 p | |
| a | R f | f34 | gav TBA MXB | 24m24 | | | 51.6mg * | P<.3 | |
| b | R f | f34 | gav liv MXB | 24m24 | | | no dre | P=1. | |
| 227 | R m | f34 | gav kid rua | 24m24 | : | + : | 64.7mg * | P<.0005p | |
| a | R m | f34 | gav amd MXA | 24m24 | | | 40.4mg * | P<.03 | |
| b | R m | f34 | gav amd MXA | 24m24 | | | 48.2mg * | P<.05 | |
| c | R m | f34 | gav TBA MXB | 24m24 | | | 41.8mg * | P<.3 | |
| d | R m | f34 | gav liv MXB | 24m24 | | | 5.71gm * | P<.1 | |
| 3-HYDROXY-p-BUTYROPHENETIDIDE | | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | | |
| 228 | M f | b6c | eat liv hpa | 72w84 ae | . | ± | 4.00gm | P<.02 | |
| a | M f | b6c | eat lun act | 72w84 ae | | | 11.3gm * | P<.4 | |
| b | M f | b6c | eat liv hpc | 72w84 ae | | | no dre | P=1. | |
| 229 | M m | b6c | eat kid rcc | 70w84 ae | . | + . | 5.53gm * | P<.004 + | |
| a | M m | b6c | eat --- lkm | 70w84 ae | | | 2.74gm | P<.04 | |
| b | M m | b6c | eat kid rca | 70w84 ae | | | 5.58gm * | P<.02 + | |
| c | M m | b6c | eat lun act | 70w84 ae | | | 5.28gm * | P<.3 | |
| d | M m | b6c | eat liv hpa | 70w84 ae | | | 17.5gm | P<.9 | |
| e | M m | b6c | eat ubl pam | 70w84 ae | | | 46.4gm * | P<.3 | |
| f | M m | b6c | eat liv hem | 70w84 ae | | | 406.gm * | P<.1 | |
| g | M m | b6c | eat liv hpc | 70w84 ae | | | no dre | P=1. | |
| 1-(2-HYDROXYETHYL)-1-NITROSOUREA*** | | | | | | | | | |
| ...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | | |
| 230 | R f | f34 | gav mgl adc | 37w60 j | . | + . | .452mg | P<.003 + | |
| a | R f | f34 | gav col ade | 37w60 j | | | 1.53mg | P<.1 | |
| b | R f | f34 | gav for sqc | 37w60 j | | | 3.15mg | P<.3 | |
| c | R f | f34 | gav zym car | 37w60 j | | | 3.15mg | P<.3 | |
| d | R f | f34 | gav for mix | 37w60 j | | | no dre | P=1. | |
| e | R f | f34 | gav lun a/a | 37w60 j | | | no dre | P=1. | |
| 231 | R m | f34 | gav lun mix | 37w55 j | . | + . | 77.6ug | P<.0005+ | |
| a | R m | f34 | gav for mix | 37w55 j | | | .203mg | P<.0005+ | |
| b | R m | f34 | gav col mix | 37w55 j | | | .240mg | P<.002 + | |
| c | R m | f34 | gav for sqc | 37w55 j | | | .637mg | P<.04 | |
| d | R m | f34 | gav col adc | 37w55 j | | | .983mg | P<.1 | |
| e | R m | f34 | gav zym mix | 37w55 j | | | .568mg | P<.3 | |
| f | R m | f34 | gav lun mal | 37w55 j | | | .602mg | P<.2 | |
| g | R m | f34 | gav zym car | 37w55 j | | | .879mg | P<.4 | |
| ISOFLURANE | | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | | |
| 232 | M f | sww | inh lun ala | 78w81 | | | .30.0gm * | P<.3 - | |
| a | M f | sww | inh liv bsa | 78w81 | | | no dre | P=1. - | |
| 233 | M m | sww | inh lun ala | 78w81 | | | no dre | P=1. - | |
| a | M m | sww | inh liv bsa | 78w81 | | | no dre | P=1. - | |
| LASIOCARPINE*** | | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | | |
| 234 | R f | f34 | eat liv hpc | 21m24 er | . | + . | .938mg Z | P<.0005+ | |
| 235 | R m | f34 | eat liv hpc | 23m24 er | . | + . | .800mg * | P<.0005+ | |
| MALONALDEHYDE, SODIUM SALT*** | | | | | | | | | |
| 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | | | |
| 236 | M f | b6c | gav TBA MXB | 24m24 | : | > | 274.mg * | P<.5 - | |
| a | M f | b6c | gav liv MXB | 24m24 | | | 568.mg * | P<.2 | |
| b | M f | b6c | gav lun MXB | 24m24 | | | 4.41gm * | P<.9 | |
| 237 | M m | b6c | gav TBA MXB | 24m24 | : | > | 217.mg * | P<.6 - | |
| a | M m | b6c | gav liv MXB | 24m24 | | | 230.mg * | P<.4 | |
| b | M m | b6c | gav lun MXB | 24m24 | | | 1.13gm * | P<.8 | |
| 238 | R f | f34 | gav thy MXA | 24m24 | : | ± | 252.mg / | P<.02 c | |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--|--------|--------|--------|-------|--------|-------|----------------|-----------------------|---|
| b | 1854 | 180.mg | n.s.s. | 0/24 | 44.0mg | 1/24 | | | |
| c | 1854 | 194.mg | n.s.s. | 4/24 | 44.0mg | 2/24 | | | |
| d | 1854 | 152.mg | n.s.s. | 4/24 | 44.0mg | 3/24 | | | |
| 222 | c55925 | 29.2mg | n.s.s. | 50/50 | 9.91mg | 43/50 | 19.8mg 44/50 | 79.2mg 45/50 | |
| a | c55925 | 143.mg | n.s.s. | 1/50 | 9.91mg | 0/50 | 19.8mg 1/50 | 79.2mg 2/50 | liv:hpa,hpc,nnd. |
| 223 | 1854 | 19.3mg | 72.9mg | 0/24 | 46.2mg | 18/24 | | | Lijinsky;txih,3,413-422;1987/pers.comm. |
| a | 1854 | 36.1mg | 169.mg | 0/24 | 46.2mg | 12/24 | | | |
| b | 1854 | 64.1mg | n.s.s. | 6/24 | 46.2mg | 9/24 | | | |
| c | 1854 | 357.mg | n.s.s. | 3/24 | 46.2mg | 0/24 | | | |
| d | 1854 | 357.mg | n.s.s. | 1/24 | 46.2mg | 0/24 | | | |
| e | 1854 | 357.mg | n.s.s. | 2/24 | 46.2mg | 0/24 | | | |
| HYDROQUINONE 123-31-9 | | | | | | | | | |
| 224 | c55834 | 32.3mg | 305.mg | 2/55 | 35.0mg | 15/55 | (70.0mg 12/55) | | S |
| a | c55834 | 62.8mg | 4.53gm | 3/55 | 35.0mg | 16/55 | 70.0mg 13/55 | | liv:hpa,hpc. |
| b | c55834 | 63.5mg | n.s.s. | 43/55 | 35.0mg | 42/55 | 70.0mg 39/55 | | |
| c | c55834 | 62.8mg | 4.53gm | 3/55 | 35.0mg | 16/55 | 70.0mg 13/55 | | liv:hpa,hpc,nnd. |
| d | c55834 | 203.mg | n.s.s. | 4/55 | 35.0mg | 6/55 | 70.0mg 4/55 | | lun:a/a,a/c. |
| 225 | c55834 | 45.4mg | n.s.s. | 39/55 | 35.3mg | 46/55 | 70.5mg 44/55 | | |
| a | c55834 | 63.4mg | n.s.s. | 20/55 | 35.3mg | 29/55 | 70.5mg 25/55 | | liv:hpa,hpc,nnd. |
| b | c55834 | 183.mg | n.s.s. | 14/55 | 35.3mg | 11/55 | 70.5mg 10/55 | | lun:a/a,a/c. |
| 226 | c55834 | 27.9mg | 747.mg | 9/55 | 17.6mg | 15/55 | 35.3mg 22/55 | | |
| a | c55834 | 15.6mg | n.s.s. | 47/55 | 17.6mg | 49/55 | 35.3mg 50/55 | | |
| b | c55834 | n.s.s. | n.s.s. | 0/55 | 17.6mg | 0/55 | 35.3mg 0/55 | | liv:hpa,hpc,nnd. |
| 227 | c55834 | 32.1mg | 181.mg | 0/55 | 17.6mg | 4/55 | 35.2mg 8/55 | | |
| a | c55834 | 17.7mg | n.s.s. | 14/55 | 17.6mg | 19/55 | 35.2mg 21/55 | | amd:pbp,phm,pob. S |
| b | c55834 | 19.9mg | n.s.s. | 13/55 | 17.6mg | 17/55 | 35.2mg 19/55 | | amd:pbp,pob. S |
| c | c55834 | 12.7mg | n.s.s. | 49/55 | 17.6mg | 46/55 | 35.2mg 48/55 | | |
| d | c55834 | 82.6mg | n.s.s. | 3/55 | 17.6mg | 2/55 | 35.2mg 2/55 | | liv:hpa,hpc,nnd. |
| 3-HYDROXY-p-BUTYROPHENETIDIDE (betadid, bucetin) 1083-57-4 | | | | | | | | | |
| 228 | 1835 | 1.38gm | n.s.s. | 0/46 | 795.mg | 4/47 | (1.76gm 0/46) | | Togei;jnci,79,1151-1158;1987 |
| a | 1835 | 3.06gm | n.s.s. | 1/46 | 795.mg | 6/47 | 1.76gm 3/46 | | |
| b | 1835 | 8.72gm | n.s.s. | 0/46 | 795.mg | 1/47 | 1.76gm 0/46 | | |
| 229 | 1835 | 2.50gm | 32.0gm | 0/47 | 745.mg | 2/45 | 1.54gm 6/46 | | |
| a | 1835 | 997.mg | n.s.s. | 1/47 | 745.mg | 6/45 | (1.54gm 1/46) | | |
| b | 1835 | 2.53gm | n.s.s. | 0/47 | 745.mg | 4/45 | 1.54gm 4/46 | | |
| c | 1835 | 1.60gm | n.s.s. | 6/47 | 745.mg | 12/45 | 1.54gm 10/46 | | |
| d | 1835 | 833.mg | n.s.s. | 14/47 | 745.mg | 14/45 | (1.54gm 0/46) | | |
| e | 1835 | 7.55gm | n.s.s. | 0/47 | 745.mg | 0/45 | 1.54gm 1/46 | | |
| f | 1835 | 5.29gm | n.s.s. | 3/47 | 745.mg | 1/45 | 1.54gm 3/46 | | |
| g | 1835 | 6.91gm | n.s.s. | 7/47 | 745.mg | 4/45 | 1.54gm 2/46 | | |
| 1-(2-HYDROXYETHYL)-1-NITROSOUREA*** (N-nitroso-2-hydroxyethylurea, NHEU) 13743-07-2 | | | | | | | | | |
| 230 | 1792m | .183mg | 2.36mg | 0/20 | .707mg | 6/20 | | | Lijinsky;gann,79,181-186;1988/1986 |
| a | 1792m | .376mg | n.s.s. | 0/20 | .707mg | 2/20 | | | |
| b | 1792m | .512mg | n.s.s. | 0/20 | .707mg | 1/20 | | | |
| c | 1792m | .512mg | n.s.s. | 0/20 | .707mg | 1/20 | | | |
| d | 1792m | .461mg | n.s.s. | 2/20 | .707mg | 2/20 | | | |
| e | 1792m | .581mg | n.s.s. | 1/20 | .707mg | 1/20 | | | |
| 231 | 1792m | 38.9ug | .188mg | 1/20 | .540mg | 15/20 | | | |
| a | 1792m | 90.6ug | .641mg | 0/20 | .540mg | 8/20 | | | |
| b | 1792m | .103mg | .910mg | 0/20 | .540mg | 7/20 | | | |
| c | 1792m | .192mg | n.s.s. | 0/20 | .540mg | 3/20 | | | |
| d | 1792m | .241mg | n.s.s. | 0/20 | .540mg | 2/20 | | | |
| e | 1792m | .153mg | n.s.s. | 2/20 | .540mg | 5/20 | | | |
| f | 1792m | .170mg | n.s.s. | 1/20 | .540mg | 4/20 | | | |
| g | 1792m | .183mg | n.s.s. | 2/20 | .540mg | 4/20 | | | |
| ISOFLURANE 26675-46-7 | | | | | | | | | |
| 232 | 1879 | 8.67gm | n.s.s. | 15/92 | 1.52gm | 14/83 | 6.09gm 19/83 | | Baden;anes,69,750-753;1988 |
| a | 1879 | 36.0gm | n.s.s. | 1/92 | 1.52gm | 2/83 | 6.09gm 1/83 | | |
| 233 | 1879 | 16.1gm | n.s.s. | 18/89 | 1.27gm | 23/84 | 5.08gm 12/82 | | |
| a | 1879 | 27.2gm | n.s.s. | 4/89 | 1.27gm | 7/84 | 5.08gm 2/82 | | |
| LASIOCARPINE*** 303-34-4 | | | | | | | | | |
| 234 | 1824 | .521mg | 1.94mg | 0/144 | .350mg | 9/24 | .750mg 7/24 | (1.50mg 3/23) | Elashoff;jnci,79,509-526;1987 |
| 235 | 1824 | .507mg | 1.36mg | 1/144 | .280mg | 5/24 | .600mg 11/24 | 1.20mg 14/23 | |
| MALONALDEHYDE, SODIUM SALT*** (3-hydroxy-2-propenal, sodium salt) 24382-04-5 | | | | | | | | | |
| 236 | c54842 | 64.5mg | n.s.s. | 27/50 | 42.0mg | 31/50 | 84.9mg 26/50 | | |
| a | c54842 | 184.mg | n.s.s. | 2/50 | 42.0mg | 3/50 | 84.9mg 5/50 | | liv:hpa,hpc,nnd. |
| b | c54842 | 200.mg | n.s.s. | 5/50 | 42.0mg | 7/50 | 84.9mg 4/50 | | lun:a/a,a/c. |
| 237 | c54842 | 36.0mg | n.s.s. | 39/50 | 42.4mg | 37/50 | 84.9mg 31/50 | | |
| a | c54842 | 55.8mg | n.s.s. | 17/50 | 42.4mg | 21/50 | 84.9mg 17/50 | | liv:hpa,hpc,nnd. |
| b | c54842 | 102.mg | n.s.s. | 10/50 | 42.4mg | 5/50 | 84.9mg 8/50 | | lun:a/a,a/c. |
| 238 | c54842 | 98.7mg | n.s.s. | 2/50 | 35.0mg | 1/50 | 70.7mg 7/50 | | thy:fca,fcc. |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|---|---------|---------|-------------|-------|-----------|----------|
| Sex | Route | Hist | | | DR | AuOp |
| a | R f f34 | gav TBA | MXB 24m24 | | 164.mg * | P<.5 |
| b | R f f34 | gav liv | MXB 24m24 | | 1.95gm * | P<.2 |
| 239 | R m f34 | gav MXB | MXB 24m24 | : + : | 67.7mg * | P<.0005 |
| a | R m f34 | gav pn | isa 24m24 | | 80.5mg | P<.0005c |
| b | R m f34 | gav pn | MXA 24m24 | | 90.3mg | P<.005 |
| c | R m f34 | gav thy | MXA 24m24 | | 113.mg * | P<.002 c |
| d | R m f34 | gav tes | ict 24m24 | | 39.8mg * | P<.02 |
| e | R m f34 | gav amd | phe 24m24 | | 184.mg * | P<.05 |
| f | R m f34 | gav sub | MXA 24m24 | | 195.mg * | P<.04 |
| g | R m f34 | gav thy | fca 24m24 | | 206.mg * | P<.02 |
| h | R m f34 | gav thy | fcc 24m24 | | 236.mg * | P<.02 |
| i | R m f34 | gav adr | coa 24m24 | | 566.mg * | P<.03 |
| j | R m f34 | gav TBA | MXB 24m24 | | 41.8mg / | P<.008 |
| k | R m f34 | gav liv | MXB 24m24 | | 665.mg * | P<.4 |
| 2-MERCAPTOBENZOTHAZOLE*** | | | | | | |
| 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 240 | M f b6c | gav liv | MXA 24m24 | : | 2.16gm * | P<.3 e |
| a | M f b6c | gav TBA | MXB 24m24 | | no dre | P=1. |
| b | M f b6c | gav liv | MXB 24m24 | | 2.16gm * | P<.3 |
| c | M f b6c | gav lun | MXB 24m24 | | no dre | P=1. |
| 241 | M m b6c | gav TBA | MXB 24m24 | : | 3.33gm * | P<.8 - |
| a | M m b6c | gav liv | MXB 24m24 | | 3.70gm * | P<.7 |
| b | M m b6c | gav lun | MXB 24m24 | | no dre | P=1. |
| 242 | R f f34 | gav MXB | MXB 24m24 | : ± | 247.mg * | P<.03 |
| a | R f f34 | gav pta | adn 24m24 | | 343.mg * | P<.07 p |
| b | R f f34 | gav amd | phe 24m24 | | 805.mg * | P<.04 p |
| c | R f f34 | gav TBA | MXB 24m24 | | 576.mg * | P<.6 |
| d | R f f34 | gav liv | MXB 24m24 | | no dre | P=1. |
| 243 | R m f34 | gav MXB | MXB 24m24 | : + : | 157.mg | P<.0005 |
| a | R m f34 | gav tes | ict 24m24 | | 240.mg * | P<.005 |
| b | R m f34 | gav pta | adn 24m24 | | 333.mg | P<.009 |
| c | R m f34 | gav pan | ana 24m24 | | 345.mg | P<.0005p |
| d | R m f34 | gav amd | MXA 24m24 | | 394.mg * | P<.003 p |
| e | R m f34 | gav mul | mnl 24m24 | | 401.mg | P<.004 p |
| f | R m f34 | gav pre | adn 24m24 | | 1.71gm * | P<.004 |
| g | R m f34 | gav pre | MXA 24m24 | | 1.58gm * | P<.02 p |
| h | R m f34 | gav sub | MXA 24m24 | | 1.73gm * | P<.04 |
| i | R m f34 | gav sub | MXA 24m24 | | 1.90gm * | P<.03 |
| j | R m f34 | gav sub | fib 24m24 | | 2.20gm * | P<.04 |
| k | R m f34 | gav MXA | MXA 24m24 | | 3.20gm * | P<.02 |
| l | R m f34 | gav TBA | MXB 24m24 | | 136.mg | P<.002 |
| m | R m f34 | gav liv | MXB 24m24 | | no dre | P=1. |
| 8-METHOXYPSORALEN | | | | | | |
| 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 244 | R f f34 | gav MXA | MXA 24m24 | : ± | #333.mg * | P<.02 - |
| a | R f f34 | gav TBA | MXB 24m24 | | 45.6mg * | P<.09 |
| b | R f f34 | gav liv | MXB 24m24 | | 5.14gm * | P<.9 |
| 245 | R m f34 | gav tes | ict 24m24 | : + : | 14.6mg * | P<.0005 |
| a | R m f34 | gav MXB | MXB 24m24 | | 27.3mg * | P<.0005 |
| b | R m f34 | gav kid | MXA 24m24 | | 32.4mg * | P<.0005c |
| c | R m f34 | gav kid | tla 24m24 | | 43.2mg * | P<.0005c |
| d | R m f34 | gav lun | a/a 24m24 | | 57.1mg * | P<.003 e |
| e | R m f34 | gav sub | MXA 24m24 | | 70.2mg * | P<.0005 |
| f | R m f34 | gav sub | fib 24m24 | | 72.6mg * | P<.002 e |
| g | R m f34 | gav kid | uac 24m24 | | 167.mg * | P<.008 c |
| h | R m f34 | gav zym | MXA 24m24 | | 101.mg * | P<.02 c |
| i | R m f34 | gav pan | ana 24m24 | | 113.mg * | P<.04 |
| j | R m f34 | gav TBA | MXB 24m24 | | 16.1mg * | P<.002 |
| k | R m f34 | gav liv | MXB 24m24 | | no dre | P=1. |
| METHYL CARBAMATE | | | | | | |
| 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 246 | M f b6c | gav TBA | MXB 24m24 | : | no dre | P=1. - |
| a | M f b6c | gav liv | MXB 24m24 | | 4.70gm * | P<.4 |
| b | M f b6c | gav lun | MXB 24m24 | | no dre | P=1. |
| 247 | M m b6c | gav TBA | MXB 24m24 | : | 5.22gm * | P<.8 - |
| a | M m b6c | gav liv | MXB 24m24 | | 5.08gm * | P<.7 |
| b | M m b6c | gav lun | MXB 24m24 | | no dre | P=1. |
| 248 | R f f34 | gav liv | MXA 24m24 | : + | :839.mg * | P<.006 c |
| a | R f f34 | gav liv | nnd 24m24 | | 979.mg * | P<.02 |
| b | R f f34 | gav TBA | MXB 24m24 | | no dre | P=1. |
| c | R f f34 | gav liv | MXB 24m24 | | 839.mg * | P<.006 |
| 249 | R m f34 | gav liv | MXA 24m24 | : | 2.03gm / | P<.6 c |
| a | R m f34 | gav TBA | MXB 24m24 | | no dre | P=1. |
| b | R m f34 | gav liv | MXB 24m24 | | 2.03gm / | P<.6 |
| N-METHYL-N'-NITRO-N-NITROSOGUANIDINE*** | | | | | | |
| 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 250 | R m wis | wat duo | adc 75w75 e | : + . | .910mg | P<.0005+ |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|---|--------|---------------|-------|--------|-------|----------|--------|---|------------|
| a | c54842 | 34.5mg n.s.s. | 37/50 | 35.0mg | 37/50 | 70.7mg | 21/50 | | |
| b | c54842 | 318.mg n.s.s. | 0/50 | 35.0mg | 0/50 | 70.7mg | 1/50 | | |
| 239 | c54842 | 37.4mg 216.mg | 4/50 | 35.4mg | 17/50 | 70.7mg | 13/50 | liv:hpa,hpc,nnd. | |
| a | c54842 | 37.9mg 219.mg | 0/50 | 35.4mg | 9/50 | (70.7mg) | 1/50) | zni:isa; thy:fca,fcc. | C |
| b | c54842 | 39.6mg 876.mg | 1/50 | 35.4mg | 9/50 | (70.7mg) | 1/50) | | |
| c | c54842 | 56.2mg 545.mg | 4/50 | 35.4mg | 8/50 | 70.7mg | 13/50 | zni:isa,isc. | S |
| d | c54842 | 18.5mg n.s.s. | 40/50 | 35.4mg | 45/50 | 70.7mg | 36/50 | thy:fca,fcc. | |
| e | c54842 | 70.8mg n.s.s. | 5/50 | 35.4mg | 6/50 | 70.7mg | 8/50 | | S |
| f | c54842 | 81.3mg n.s.s. | 1/50 | 35.4mg | 7/50 | 70.7mg | 3/50 | sub: fbs, fib. | S |
| g | c54842 | 86.5mg n.s.s. | 3/50 | 35.4mg | 3/50 | 70.7mg | 9/50 | | S |
| h | c54842 | 98.2mg n.s.s. | 1/50 | 35.4mg | 5/50 | 70.7mg | 5/50 | | S |
| i | c54842 | 186.mg n.s.s. | 0/50 | 35.4mg | 1/50 | 70.7mg | 3/50 | | S |
| j | c54842 | 20.2mg 889.mg | 40/50 | 35.4mg | 40/50 | 70.7mg | 41/50 | | |
| k | c54842 | 133.mg n.s.s. | 3/50 | 35.4mg | 2/50 | 70.7mg | 3/50 | liv:hpa,hpc,nnd. | |
| 2-MERCAPTOBENZOTHAZOLE*** (Captax, rotax) 149-30-4 | | | | | | | | | |
| 240 | c56519 | 629.mg n.s.s. | 4/50 | 265.mg | 12/50 | 531.mg | 4/50 | | |
| a | c56519 | 697.mg n.s.s. | 38/50 | 265.mg | 33/50 | 531.mg | 15/50 | liv:hpa,hpc. | |
| b | c56519 | 629.mg n.s.s. | 4/50 | 265.mg | 12/50 | 531.mg | 4/50 | liv:hpa,hpc,nnd. | |
| c | c56519 | 2.14gm n.s.s. | 3/50 | 265.mg | 1/50 | 531.mg | 2/50 | lun:a/a,a/c. | |
| 241 | c56519 | 359.mg n.s.s. | 31/50 | 265.mg | 39/50 | 531.mg | 25/50 | | |
| a | c56519 | 557.mg n.s.s. | 16/50 | 265.mg | 21/50 | 531.mg | 14/50 | liv:hpa,hpc,nnd. | |
| b | c56519 | 1.06gm n.s.s. | 7/50 | 265.mg | 9/50 | 531.mg | 5/50 | lun:a/a,a/c. | |
| 242 | c56519 | 112.mg n.s.s. | 16/50 | 133.mg | 28/50 | 265.mg | 29/50 | amd:phe; pta:adn. | P |
| a | c56519 | 140.mg n.s.s. | 15/50 | 133.mg | 24/50 | 265.mg | 25/50 | | |
| b | c56519 | 347.mg n.s.s. | 1/50 | 133.mg | 5/50 | 265.mg | 6/50 | | |
| c | c56519 | 116.mg n.s.s. | 37/50 | 133.mg | 46/50 | 265.mg | 40/50 | | |
| d | c56519 | 3.30gm n.s.s. | 1/50 | 133.mg | 0/50 | 265.mg | 0/50 | liv:hpa,hpc,nnd. | |
| 243 | c56519 | 82.2mg 543.mg | 24/50 | 265.mg | 38/50 | (531.mg) | 31/50) | amd:phe,phm; mul:mnl; pan:ana; pre:adn,can. | P |
| a | c56519 | 121.mg 2.27gm | 48/50 | 265.mg | 48/50 | 531.mg | 48/50 | | S |
| b | c56519 | 146.mg 13.6gm | 14/50 | 265.mg | 21/50 | (531.mg) | 12/50) | | S |
| c | c56519 | 167.mg 1.10gm | 2/50 | 265.mg | 13/50 | (531.mg) | 6/50) | | |
| d | c56519 | 203.mg 2.31gm | 18/50 | 265.mg | 27/50 | 531.mg | 24/50 | amd:phe,phm. | |
| e | c56519 | 183.mg 2.99gm | 7/50 | 265.mg | 16/50 | (531.mg) | 3/50) | | |
| f | c56519 | 749.mg 10.5gm | 0/50 | 265.mg | 4/50 | 531.mg | 4/50 | | S |
| g | c56519 | 684.mg n.s.s. | 1/50 | 265.mg | 6/50 | 531.mg | 5/50 | pre:adn,can. | |
| h | c56519 | 686.mg n.s.s. | 3/50 | 265.mg | 6/50 | 531.mg | 7/50 | sub: fbs, fib, nfm, srn. | S |
| i | c56519 | 744.mg n.s.s. | 2/50 | 265.mg | 4/50 | 531.mg | 6/50 | sub: fib, nfm. | S |
| j | c56519 | 822.mg n.s.s. | 2/50 | 265.mg | 3/50 | 531.mg | 6/50 | | S |
| k | c56519 | 1.14gm n.s.s. | 0/50 | 265.mg | 2/50 | 531.mg | 3/50 | mul:msm; tna:men. | S |
| l | c56519 | 69.9mg 617.mg | 37/50 | 265.mg | 47/50 | (531.mg) | 41/50) | | |
| m | c56519 | 1.94gm n.s.s. | 3/50 | 265.mg | 2/50 | 531.mg | 1/50 | liv:hpa,hpc,nnd. | |
| 8-METHOXYPSORALEN (8-MOP) 298-81-7 | | | | | | | | | |
| 244 | c55903 | 108.mg n.s.s. | 0/50 | 26.3mg | 1/50 | 52.8mg | 3/50 | | |
| a | c55903 | 17.5mg n.s.s. | 46/50 | 26.3mg | 43/50 | 52.8mg | 37/50 | pal:sqp; ton:sqp. | S |
| b | c55903 | 240.mg n.s.s. | 1/50 | 26.3mg | 0/50 | 52.8mg | 1/50 | liv:hpa,hpc,nnd. | |
| 245 | c55903 | 8.08mg 43.1mg | 38/50 | 26.3mg | 44/50 | 52.8mg | 43/50 | | S |
| a | c55903 | 15.5mg 59.4mg | 2/50 | 26.3mg | 16/50 | 52.8mg | 14/50 | kid:tla,uac; zym:can, sqc. | C |
| b | c55903 | 17.6mg 73.7mg | 1/50 | 26.3mg | 12/50 | 52.8mg | 11/50 | kid:tla,uac. | |
| c | c55903 | 22.2mg 120.mg | 1/50 | 26.3mg | 11/50 | 52.8mg | 8/50 | | |
| d | c55903 | 25.5mg 397.mg | 4/50 | 26.3mg | 9/50 | 52.8mg | 9/50 | | |
| e | c55903 | 32.1mg 265.mg | 1/50 | 26.3mg | 5/50 | 52.8mg | 8/50 | sub: fib, srn. | S |
| f | c55903 | 32.6mg 316.mg | 1/50 | 26.3mg | 5/50 | 52.8mg | 7/50 | | |
| g | c55903 | 52.4mg 3.38gm | 0/50 | 26.3mg | 1/50 | 52.8mg | 3/50 | | |
| h | c55903 | 41.2mg n.s.s. | 1/50 | 26.3mg | 7/50 | 52.8mg | 4/50 | zym:can, sqc. | |
| i | c55903 | 39.2mg n.s.s. | 2/50 | 26.3mg | 3/50 | 52.8mg | 4/50 | | S |
| j | c55903 | 8.23mg 76.0mg | 44/50 | 26.3mg | 41/50 | 52.8mg | 41/50 | | |
| k | c55903 | n.s.s. n.s.s. | 0/50 | 26.3mg | 0/50 | 52.8mg | 0/50 | liv:hpa,hpc,nnd. | |
| METHYL CARBAMATE 598-55-0 | | | | | | | | | |
| 246 | c55594 | 700.mg n.s.s. | 32/50 | 354.mg | 28/50 | 707.mg | 27/50 | | |
| a | c55594 | 1.20gm n.s.s. | 4/50 | 354.mg | 7/50 | 707.mg | 6/50 | liv:hpa,hpc,nnd. | |
| b | c55594 | 2.30gm n.s.s. | 7/50 | 354.mg | 5/50 | 707.mg | 4/50 | lun:a/a,a/c. | |
| 247 | c55594 | 495.mg n.s.s. | 27/50 | 354.mg | 35/50 | 707.mg | 28/50 | | |
| a | c55594 | 780.mg n.s.s. | 14/50 | 354.mg | 17/50 | 707.mg | 16/50 | liv:hpa,hpc,nnd. | |
| b | c55594 | 1.61gm n.s.s. | 11/50 | 354.mg | 8/50 | 707.mg | 8/50 | lun:a/a,a/c. | |
| 248 | c55594 | 342.mg 8.57gm | 0/50 | 70.7mg | 0/50 | 142.mg | 6/50 | liv:hpc,nnd. | |
| a | c55594 | 372.mg n.s.s. | 0/50 | 70.7mg | 0/50 | 142.mg | 5/50 | | S |
| b | c55594 | 146.mg n.s.s. | 47/50 | 70.7mg | 43/50 | 142.mg | 42/50 | | |
| c | c55594 | 342.mg 8.57gm | 0/50 | 70.7mg | 0/50 | 142.mg | 6/50 | liv:hpa,hpc,nnd. | |
| 249 | c55594 | 357.mg n.s.s. | 4/50 | 70.7mg | 0/50 | 142.mg | 7/50 | liv:hpc,nnd. | |
| a | c55594 | 56.6mg n.s.s. | 47/50 | 70.7mg | 45/50 | (142.mg) | 40/50) | | |
| b | c55594 | 357.mg n.s.s. | 4/50 | 70.7mg | 0/50 | 142.mg | 7/50 | liv:hpa,hpc,nnd. | |
| N-METHYL-N'-NITRO-N-NITROGUANIDINE*** (MNNG) 70-25-7 | | | | | | | | | |
| 250 | 1822 | .505mg 1.85mg | 0/30 | 2.13mg | 17/30 | | | Fujii;nutc,9,185-193;1987 | |

| Spe | Strain | Site | Xpo+Xpt | | | | TD50 | 2Tailpvl |
|--|--------|---------|---------|---|--|---|----------|----------|
| Sex | Route | Hist | Notes | | | | DR | AuOp |
| a | R m | wis wat | gam adc | 75w75 e | | | 5.31mg | P<.02 + |
| b | R m | wis wat | eso sqc | 75w75 e | | | 11.0mg | P<.1 + |
| c | R m | wis wat | liv tum | 75w75 e | | | no dre | P=1. |
| d | R m | wis wat | tba mix | 75w75 e | | | no dre | P=1. |
| N-METHYL-2-PYRROLIDONE | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | |
| 251 | R f | cdr inh | liv tum | 24m24 e | | . | no dre | P=1. - |
| 252 | R m | cdr inh | liv tum | 24m24 e | | . | no dre | P=1. - |
| alpha-METHYLDOPA SESQUIHYDRATE | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | |
| 253 | M f | b6c eat | TBA MXB | 24m24 | | : | no dre | P=1. - |
| a | M f | b6c eat | liv MXB | 24m24 | | : | no dre | P=1. |
| b | M f | b6c eat | lun MXB | 24m24 | | : | 25.0gm * | P<.5 |
| 254 | M m | b6c eat | kid MXA | 24m24 | | : | 20.1gm * | P<.2 e |
| a | M m | b6c eat | TBA MXB | 24m24 | | : | no dre | P=1. |
| b | M m | b6c eat | liv MXB | 24m24 | | : | no dre | P=1. |
| c | M m | b6c eat | lun MXB | 24m24 | | : | no dre | P=1. |
| 255 | R f | f34 eat | TBA MXB | 24m24 | | : | 592.mg * | P<.5 - |
| a | R f | f34 eat | liv MXB | 24m24 | | : | no dre | P=1. |
| 256 | R m | f34 eat | TBA MXB | 24m24 | | : | no dre | P=1. - |
| a | R m | f34 eat | liv MXB | 24m24 | | : | no dre | P=1. |
| N-METHYLDOPAMINE, 0,0'-DIISOBUTYROYL ESTER.HCL | | | |10.....100.....1mg.....10.....100.....1g.....10 | | | | |
| 257 | R f | cdr gav | adr cca | 24m24 | | . | no dre | P=1. - |
| a | R f | cdr gav | pit ade | 24m24 | | . | no dre | P=1. - |
| b | R f | cdr gav | mgl adc | 24m24 | | . | no dre | P=1. - |
| c | R f | cdr gav | mgl ade | 24m24 | | . | no dre | P=1. - |
| d | R f | cdr gav | adr phm | 24m24 | | . | no dre | P=1. - |
| 258 | R m | cdr gav | pit ade | 24m24 | | . | 30.2mg Z | P<.002 - |
| a | R m | cdr gav | adr phm | 24m24 | | . | no dre | P=1. - |
| b | R m | cdr gav | adr cca | 24m24 | | . | no dre | P=1. - |
| METHYLENE CHLORIDE*** | | | | 100ng...1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | |
| 259 | M f | swi gav | lun ade | 15m24 s | | . | 7.05gm * | P<.9 |
| a | M f | swi gav | liv hpt | 15m24 s | | . | no dre | P=1. |
| b | M f | swi gav | tba mal | 15m24 s | | . | no dre | P=1. |
| c | M f | swi gav | tba mix | 15m24 s | | . | no dre | P=1. |
| 260 | M m | swi gav | lun ade | 15m24 s | | . | 916.mg * | P<.05 |
| a | M m | swi gav | liv hpt | 15m24 s | | . | no dre | P=1. |
| b | M m | swi gav | tba mal | 15m24 s | | . | no dre | P=1. |
| c | M m | swi gav | tba mix | 15m24 s | | . | no dre | P=1. |
| 261 | R f | sda gav | mam mal | 15m24 s | | . | 1.13gm * | P<.07 |
| a | R f | sda gav | mam mix | 15m24 s | | . | 1.03gm * | P<.7 |
| b | R f | sda gav | tba mal | 15m24 s | | . | 1.74gm * | P<.6 |
| c | R f | sda gav | tba mix | 15m24 s | | . | no dre | P=1. |
| 262 | R f | sda inh | mam mix | 24m24 gv | | . | 37.8mg | P<.009 |
| a | R f | sda inh | tba mix | 24m24 gv | | . | 32.1mg | P<.03 |
| b | R f | sda inh | tba mal | 24m24 gv | | . | 477.mg | P<.7 |
| 263 | R m | sda gav | tba mix | 15m24 s | | . | no dre | P=1. |
| a | R m | sda gav | tba mal | 15m24 s | | . | 935.mg | P<.9 |
| 264 | R f | sss inh | mgl fba | 24m24 e | | . | 631.mg * | P<.7 |
| a | R f | sss inh | mgl ben | 24m24 e | | . | 1.55gm * | P<.9 |
| b | R f | sss inh | liv kcs | 24m24 e | | . | 9.34gm * | P<.8 - |
| c | R f | sss inh | liv hpc | 24m24 e | | . | 9.52gm * | P<.7 - |
| d | R f | sss inh | liv nnd | 24m24 e | | . | no dre | P=1. - |
| e | R f | sss inh | mgl adc | 24m24 e | | . | no dre | P=1. - |
| 265 | R f | sss inh | mgl fba | 12m24 e | | . | 37.7mg | P<.05 |
| a | R f | sss inh | mgl ben | 12m24 e | | . | 38.1mg | P<.05 |
| b | R f | sss inh | mgl adc | 12m24 e | | . | 1.14gm | P<.6 - |
| c | R f | sss inh | liv nnd | 12m24 e | | . | no dre | P=1. - |
| d | R f | sss inh | liv hpc | 12m24 e | | . | no dre | P=1. - |
| 266 | R m | sss inh | liv tum | 86w86 e | | . | no dre | P=1. - |
| 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-BUTANOL | | | |10.....100.....1mg.....10.....100.....1g.....10 | | | | |
| 267 | R m | f34 wat | lun mix | 26m26 | | . | .103mg | P<.0005+ |
| a | R m | f34 wat | lun adc | 26m26 | | . | .409mg | P<.0005 |
| b | R m | f34 wat | lun adq | 26m26 | | . | .577mg | P<.0005 |
| c | R m | f34 wat | pae mix | 26m26 | | . | .668mg | P<.0005+ |
| d | R m | f34 wat | pae aod | 26m26 | | . | 1.09mg | P<.0005 |
| e | R m | f34 wat | amd tum | 26m26 | | . | 1.39mg | P<.002 |
| f | R m | f34 wat | lun ade | 26m26 | | . | 1.38mg | P<.04 |
| g | R m | f34 wat | pae ana | 26m26 | | . | 2.14mg | P<.05 |
| h | R m | f34 wat | liv hpt | 26m26 | | . | 5.86mg | P<.2 |
| i | R m | f34 wat | liv mix | 26m26 | | . | 7.25mg | P<.7 |
| j | R m | f34 wat | liv ade | 26m26 | | . | no dre | P=1. |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | | |
|---|--------|--------|--------|---------|--------|---------------|---------|------------------------------------|------------------|--|--|
| a | 1822 | 1.83mg | n.s.s. | 0/30 | 2.13mg | 4/30 | | | | | |
| b | 1822 | 2.71mg | n.s.s. | 0/30 | 2.13mg | 2/30 | | | | | |
| c | 1822 | 6.86mg | n.s.s. | 0/30 | 2.13mg | 0/30 | | | | | |
| d | 1822 | .764mg | n.s.s. | 20/30 | 2.13mg | 20/30 | | | | | |
| N-METHYL-2-PYRROLIDONE 872-50-4 | | | | | | | | | | | |
| 251 | 1818 | 513.mg | n.s.s. | 0/83 | 30.4mg | 0/82 | | Lee;faat,9,222-235;1987/pers.comm. | | | |
| 252 | 1818 | 372.mg | n.s.s. | 0/82 | 21.2mg | 0/85 | | | | | |
| alpha-METHYLDOPA SESQUIHYDRATE 41372-08-1 | | | | | | | | | | | |
| 253 | c55721 | 3.22gm | n.s.s. | 33/50 | 811.mg | 22/50 | 1.61gm | 21/50 | | | |
| a | c55721 | 5.13gm | n.s.s. | 4/50 | 811.mg | 1/50 | (1.61gm | 0/50) | liv:hpa,hpc,nnd. | | |
| b | c55721 | 4.97gm | n.s.s. | 4/50 | 811.mg | 1/50 | 1.61gm | 6/50 | lun:a/a,a/c. | | |
| 254 | c55721 | 6.08gm | n.s.s. | 0/50 | 749.mg | 2/50 | 1.49gm | 1/50 | kid:tla,uac. | | |
| a | c55721 | 4.11gm | n.s.s. | 32/50 | 749.mg | 15/50 | 1.49gm | 17/50 | | | |
| b | c55721 | 7.29gm | n.s.s. | 15/50 | 749.mg | 5/50 | 1.49gm | 6/50 | liv:hpa,hpc,nnd. | | |
| c | c55721 | 4.94gm | n.s.s. | 10/50 | 749.mg | 5/50 | 1.49gm | 7/50 | lun:a/a,a/c. | | |
| 255 | c55721 | 140.mg | n.s.s. | 45/50 | 154.mg | 47/50 | 312.mg | 47/50 | | | |
| a | c55721 | n.s.s. | n.s.s. | 0/50 | 154.mg | 1/50 | 312.mg | 0/50 | liv:hpa,hpc,nnd. | | |
| 256 | c55721 | 216.mg | n.s.s. | 46/50 | 123.mg | 31/50 | 250.mg | 42/50 | | | |
| a | c55721 | 351.mg | n.s.s. | 6/50 | 123.mg | 3/50 | (250.mg | 1/50) | liv:hpa,hpc,nnd. | | |
| N-METHYLDOPAMINE, O,O'-DIISOBUTYROYL ESTER.HCL (ibopamine.HCL) 75011-65-3 | | | | | | | | | | | |
| 257 | 1875 | 164.mg | n.s.s. | 71/200 | 30.0mg | 26/100(90.0mg | 22/100 | 180.mg | 19/100) | Walker;neag,9,291-301;1988/pers.comm. | |
| a | 1875 | 249.mg | n.s.s. | 163/200 | 30.0mg | 83/100 | 90.0mg | 92/100 | 180.mg | 75/100 | |
| b | 1875 | 626.mg | n.s.s. | 31/200 | 30.0mg | 17/100 | 90.0mg | 11/100(180.mg | 1/100) | | |
| c | 1875 | 1.22gm | n.s.s. | 67/200 | 30.0mg | 30/100 | 90.0mg | 27/100 | 180.mg | 23/100 | |
| d | 1875 | 2.59gm | n.s.s. | 11/200 | 30.0mg | 1/100 | 90.0mg | 3/100 | 180.mg | 3/100 | |
| 258 | 1875 | 15.5mg | 142.mg | 125/200 | 30.0mg | 81/100(90.0mg | 59/100 | 180.mg | 41/100) | | |
| a | 1875 | 850.mg | n.s.s. | 45/200 | 30.0mg | 11/100 | 90.0mg | 13/100(180.mg | 7/100) | | |
| b | 1875 | 145.mg | n.s.s. | 50/200 | 30.0mg | 21/100(90.0mg | 11/100 | 180.mg | 10/100) | | |
| METHYLENE CHLORIDE*** (dichloromethane, Freon 30) 75-09-2 | | | | | | | | | | | |
| 259 | bt3003 | 502.mg | n.s.s. | 10/60 | 39.6mg | 8/50 | 198.mg | 9/50 | | Maltoni;anya,534,352-366;1988 | |
| a | bt3003 | 340.mg | n.s.s. | 0/60 | 39.6mg | 0/50 | 198.mg | 0/50 | | | |
| b | bt3003 | 586.mg | n.s.s. | 15/60 | 39.6mg | 8/50 | 198.mg | 10/50 | | | |
| c | bt3003 | 427.mg | n.s.s. | 31/60 | 39.6mg | 17/50 | 198.mg | 20/50 | | | |
| 260 | bt3003 | 345.mg | n.s.s. | 3/60 | 39.6mg | 6/50 | 198.mg | 9/50 | | | |
| a | bt3003 | 1.27gm | n.s.s. | 5/60 | 39.6mg | 2/50 | 198.mg | 2/50 | | | |
| b | bt3003 | 1.18gm | n.s.s. | 12/60 | 39.6mg | 4/50 | 198.mg | 4/50 | | | |
| c | bt3003 | 477.mg | n.s.s. | 18/60 | 39.6mg | 10/50 | 198.mg | 13/50 | | | |
| 261 | bt3002 | 403.mg | n.s.s. | 4/50 | 39.6mg | 3/50 | 198.mg | 9/50 | | | |
| a | bt3002 | 151.mg | n.s.s. | 28/50 | 39.6mg | 37/50 | 198.mg | 33/50 | | | |
| b | bt3002 | 320.mg | n.s.s. | 14/50 | 39.6mg | 12/50 | 198.mg | 16/50 | | | |
| c | bt3002 | 141.mg | n.s.s. | 39/50 | 39.6mg | 41/50 | 198.mg | 39/50 | | | |
| 262 | bt4005 | 17.7mg | 1.23gm | 24/60 | 29.4mg | 35/54 | | | | | |
| a | bt4005 | 13.6mg | n.s.s. | 35/60 | 29.4mg | 42/54 | | | | | |
| b | bt4005 | 70.6mg | n.s.s. | 9/60 | 29.4mg | 10/54 | | | | | |
| 263 | bt3002 | 47.0mg | n.s.s. | 37/50 | 39.6mg | 33/50 | (198.mg | 22/50) | | | |
| a | bt3002 | 68.6mg | n.s.s. | 15/50 | 39.6mg | 16/50 | (198.mg | 6/50) | | | |
| 264 | 1890m | 84.1mg | n.s.s. | 51/69 | 13.0mg | 57/69 | 52.0mg | 60/69 | 130.mg | 55/69 | Nitschke;faat,11,48-59;1988/pers.comm. |
| a | 1890m | 93.8mg | n.s.s. | 52/70 | 13.0mg | 58/70 | 52.0mg | 61/70 | 130.mg | 55/70 | |
| b | 1890m | 1.52gm | n.s.s. | 0/70 | 13.0mg | 0/70 | 52.0mg | 1/70 | 130.mg | 0/70 | |
| c | 1890m | 1.09gm | n.s.s. | 1/70 | 13.0mg | 0/70 | 52.0mg | 2/70 | 130.mg | 1/70 | |
| d | 1890m | 813.mg | n.s.s. | 4/70 | 13.0mg | 4/70 | 52.0mg | 3/70 | 130.mg | 4/70 | |
| e | 1890m | 859.mg | n.s.s. | 3/69 | 13.0mg | 5/69 | 52.0mg | 4/69 | 130.mg | 3/69 | |
| 265 | 1890n | 11.8mg | n.s.s. | 51/69 | 65.0mg | 23/25 | | | | | |
| a | 1890n | 11.9mg | n.s.s. | 52/70 | 65.0mg | 23/25 | | | | | |
| b | 1890n | 149.mg | n.s.s. | 3/69 | 65.0mg | 2/25 | | | | | |
| c | 1890n | 220.mg | n.s.s. | 4/70 | 65.0mg | 1/25 | | | | | |
| d | 1890n | 335.mg | n.s.s. | 1/70 | 65.0mg | 0/25 | | | | | |
| 266 | 1890m | 66.5mg | n.s.s. | 0/70 | 9.10mg | 0/70 | 36.4mg | 0/70 | 91.0mg | 0/70 | |
| 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-BUTANOL --- | | | | | | | | | | | |
| 267 | 1866 | 56.5ug | .199mg | 6/80 | .250mg | 26/30 | | | | Rivenson;canr,48,6912-6917;1988/pers.comm. | |
| a | 1866 | .203mg | 1.07mg | 2/80 | .250mg | 12/30 | | | | | |
| b | 1866 | .265mg | 1.76mg | 1/80 | .250mg | 9/30 | | | | | |
| c | 1866 | .294mg | 2.29mg | 1/80 | .250mg | 8/30 | | | | | |
| d | 1866 | .413mg | 4.54mg | 0/80 | .250mg | 5/30 | | | | | |
| e | 1866 | .479mg | 7.65mg | 0/80 | .250mg | 4/30 | | | | | |
| f | 1866 | .445mg | n.s.s. | 3/80 | .250mg | 5/30 | | | | | |
| g | 1866 | .589mg | n.s.s. | 1/80 | .250mg | 3/30 | | | | | |
| h | 1866 | .954mg | n.s.s. | 0/80 | .250mg | 1/30 | | | | | |
| i | 1866 | .712mg | n.s.s. | 6/80 | .250mg | 3/30 | | | | | |
| j | 1866 | .935mg | n.s.s. | 6/80 | .250mg | 2/30 | | | | | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|--|--------|---------|---------|---------|------|-------------------|
| Sex | Route | Hist | | | DR | AuOp |
| 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-(BUTANONE).....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 268 | R m | f34 wat | lun mix | 27m30 | . | .182mg * P<.0005+ |
| a | R m | f34 wat | lun ade | 27m30 | . | .343mg Z P<.002 |
| b | R m | f34 wat | pae mix | 27m30 | . | .490mg Z P<.006 + |
| c | R m | f34 wat | liv mix | 27m30 | . | .651mg * P<.0005+ |
| d | R m | f34 wat | lun adc | 27m30 | . | .672mg * P<.0005 |
| e | R m | f34 wat | liv ade | 27m30 | . | .871mg * P<.0005 |
| f | R m | f34 wat | lun adq | 27m30 | . | 1.46mg Z P<.0005 |
| g | R m | f34 wat | nas mix | 27m30 | . | 1.66mg * P<.0005 |
| h | R m | f34 wat | lun sqc | 27m30 | . | 3.40mg * P<.005 |
| i | R m | f34 wat | --- mix | 27m30 | . | .140mg Z P<.02 |
| j | R m | f34 wat | liv hpt | 27m30 | . | 2.74mg * P<.03 |
| k | R m | f34 wat | pae aod | 27m30 | . | 6.93mg * P<.08 |
| l | R m | f34 wat | pae ana | 27m30 | . | 29.2mg * P<.1 |
| N-METHYLOLACRYLAMIDE 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 269 | M f | b6c gav | MXB MXB | 24m24 | : | 27.8mg * P<.0005 |
| a | M f | b6c gav | hag MXA | 24m24 | : | 44.6mg * P<.0005 |
| b | M f | b6c gav | hag MXA | 24m24 | . | 55.5mg * P<.002 c |
| c | M f | b6c gav | liv hpa | 24m24 | . | 66.9mg / P<.0005c |
| d | M f | b6c gav | liv MXA | 24m24 | . | 74.8mg * P<.009 |
| e | M f | b6c gav | ova gcb | 24m24 | . | 119.mg * P<.006 c |
| f | M f | b6c gav | lun MXA | 24m24 | . | 111.mg * P<.06 c |
| g | M f | b6c gav | TBA MXB | 24m24 | . | 30.9mg * P<.03 |
| h | M f | b6c gav | liv MXB | 24m24 | . | 74.8mg * P<.009 |
| i | M f | b6c gav | lun MXB | 24m24 | . | 111.mg * P<.06 |
| 270 | M m | b6c gav | MXB MXB | 24m24 | : | 13.3mg * P<.0005 |
| a | M m | b6c gav | hag MXA | 24m24 | . | 17.4mg * P<.0005 |
| b | M m | b6c gav | hag ade | 24m24 | . | 17.5mg * P<.0005c |
| c | M m | b6c gav | liv MXA | 24m24 | . | 29.4mg * P<.003 c |
| d | M m | b6c gav | lun MXA | 24m24 | . | 38.5mg * P<.002 c |
| e | M m | b6c gav | liv hpa | 24m24 | . | 50.2mg / P<.008 |
| f | M m | b6c gav | lun a/a | 24m24 | . | 66.0mg * P<.009 |
| g | M m | b6c gav | lun a/c | 24m24 | . | 75.1mg * P<.006 |
| h | M m | b6c gav | liv hpc | 24m24 | . | 63.4mg * P<.05 |
| i | M m | b6c gav | TBA MXB | 24m24 | . | 22.3mg * P<.02 |
| j | M m | b6c gav | liv MXB | 24m24 | . | 29.4mg * P<.003 |
| k | M m | b6c gav | lun MXB | 24m24 | . | 38.5mg * P<.002 |
| 271 | R f | f34 gav | TBA MXB | 24m24 | : | no dre P=1. - |
| a | R f | f34 gav | liv MXB | 24m24 | . | no dre P=1. - |
| 272 | R m | f34 gav | ski ker | 24m24 | : | #13.0mg P<.03 - |
| a | R m | f34 gav | TBA MXB | 24m24 | . | 3.12gm * P<.1 |
| b | R m | f34 gav | liv MXB | 24m24 | . | no dre P=1. - |
| p-METHYLSTYRENE 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 273 | M f | swi gav | lun ade | 78w83 | . | 616.mg * P<.2 - |
| a | M f | swi gav | liv hpt | 78w83 | . | no dre P=1. - |
| b | M f | swi gav | tba mix | 78w83 | . | 343.mg * P<.2 - |
| c | M f | swi gav | tba mal | 78w83 | . | no dre P=1. - |
| 274 | M m | swi gav | lun ade | 78w83 | . | 962.mg * P<.3 - |
| a | M m | swi gav | liv hpt | 78w83 | . | no dre P=1. - |
| b | M m | swi gav | tba mal | 78w83 | . | no dre P=1. - |
| c | M m | swi gav | tba mix | 78w83 | . | no dre P=1. - |
| MISOPROSTOL 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 275 | M f | cd1 gav | lun ala | 91w91 e | . | 2.35gm * P<.9 - |
| a | M f | cd1 gav | liv hpa | 91w91 e | . | no dre P=1. - |
| b | M f | cd1 gav | liv hem | 91w91 e | . | no dre P=1. - |
| c | M f | cd1 gav | lun alc | 91w91 e | . | no dre P=1. - |
| d | M f | cd1 gav | tba mix | 91w91 e | . | .130mg Z P<.0005- |
| 276 | M m | cd1 gav | liv hpa | 91w91 e | . | no dre P=1. - |
| a | M m | cd1 gav | liv hpc | 91w91 e | . | no dre P=1. - |
| b | M m | cd1 gav | lun ala | 91w91 e | . | no dre P=1. - |
| c | M m | cd1 gav | lun alc | 91w91 e | . | no dre P=1. - |
| d | M m | cd1 gav | liv hem | 91w91 e | . | no dre P=1. - |
| e | M m | cd1 gav | tba mix | 91w91 e | . | no dre P=1. - |
| 277 | R f | cdr gav | liv hcs | 24m24 e | . | 9.53gm * P<.1. - |
| a | R f | cdr gav | liv hpc | 24m24 e | . | no dre P=1. - |
| b | R f | cdr gav | mgl fba | 24m24 e | . | no dre P=1. - |
| c | R f | cdr gav | tba mix | 24m24 e | . | no dre P=1. - |
| 278 | R m | cdr gav | liv hcs | 24m24 e | . | no dre P=1. - |
| a | R m | cdr gav | tba mix | 24m24 e | . | no dre P=1. - |
| NALIDIXIC ACID 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 279 | M f | b6c eat | amd phe | 24m24 | : | #3.63gm * P<.03 - |
| a | M f | b6c eat | TBA MXB | 24m24 | . | 1.69gm * P<.6 |
| b | M f | b6c eat | liv MXB | 24m24 | . | 3.16gm * P<.3 |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | | Citation or Pathology | Brkly Code | |
|--|--------|--------|--------|-------|--------|-------|---------|-------|-----------------------|------------|---|
| 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-(BUTANONE) 64091-91-4 | | | | | | | | | | | |
| 268 | 1866 | .123mg | .297mg | 6/80 | 25.0ug | 9/80 | 50.0ug | 20/80 | .250mg | 27/30 | Rivenson; canr, 48, 6912-6917; 1988/pers. comm. |
| a | 1866 | .181mg | 1.52mg | 3/80 | 25.0ug | 5/80 | 50.0ug | 16/80 | (.250mg | 2/30) | |
| b | 1866 | .241mg | 5.70mg | 1/80 | 25.0ug | 5/80 | 50.0ug | 9/80 | (.250mg | 2/30) | |
| c | 1866 | .345mg | 1.90mg | 6/80 | 25.0ug | 3/80 | 50.0ug | 11/80 | .250mg | 12/30 | |
| d | 1866 | .375mg | 1.53mg | 2/80 | 25.0ug | 3/80 | 50.0ug | 4/80 | .250mg | 13/30 | |
| e | 1866 | .427mg | 3.37mg | 6/80 | 25.0ug | 2/80 | 50.0ug | 9/80 | .250mg | 10/30 | |
| f | 1866 | .677mg | 4.26mg | 1/80 | 25.0ug | 0/80 | 50.0ug | 0/80 | .250mg | 9/30 | |
| g | 1866 | .751mg | 5.90mg | 0/80 | 25.0ug | 1/80 | 50.0ug | 2/80 | .250mg | 5/30 | |
| h | 1866 | 1.17mg | 42.2mg | 0/80 | 25.0ug | 1/80 | 50.0ug | 0/80 | .250mg | 3/30 | |
| i | 1866 | 63.5ug | n.s.s. | 9/80 | 25.0ug | 21/80 | (50.0ug | 10/80 | .250mg | 2/30) | |
| j | 1866 | 1.04mg | n.s.s. | 0/80 | 25.0ug | 1/80 | 50.0ug | 2/80 | .250mg | 2/30 | |
| k | 1866 | 1.70mg | n.s.s. | 0/80 | 25.0ug | 0/80 | 50.0ug | 1/80 | .250mg | 1/30 | |
| l | 1866 | .859mg | n.s.s. | 1/80 | 25.0ug | 5/80 | 50.0ug | 8/80 | .250mg | 1/30 | |
| N-METHYLOLACRYLAMIDE (N-(hydroxymethyl)-acrylamide) 924-42-5 | | | | | | | | | | | |
| 269 | c60333 | 15.8mg | 89.4mg | 14/50 | 17.5mg | 20/50 | 35.0mg | 37/50 | | | hag:ade,anb; liv:hpa; lun:a/a,a/c; ova:gcb. C |
| a | c60333 | 25.3mg | 141.mg | 5/50 | 17.5mg | 11/50 | 35.0mg | 22/50 | | | hag:ade,anb,car. S |
| b | c60333 | 29.9mg | 222.mg | 5/50 | 17.5mg | 8/50 | 35.0mg | 20/50 | | | hag:ade,anb. |
| c | c60333 | 35.6mg | 241.mg | 3/50 | 17.5mg | 4/50 | 35.0mg | 17/50 | | | |
| d | c60333 | 35.7mg | 2.08gm | 6/50 | 17.5mg | 7/50 | 35.0mg | 17/50 | | | liv:hpa,hpc. S |
| e | c60333 | 58.1mg | 996.mg | 0/50 | 17.5mg | 5/50 | 35.0mg | 5/50 | | | |
| f | c60333 | 45.2mg | n.s.s. | 6/50 | 17.5mg | 8/50 | 35.0mg | 13/50 | | | lun:a/a,a/c. |
| g | c60333 | 13.9mg | n.s.s. | 33/50 | 17.5mg | 41/50 | 35.0mg | 47/50 | | | |
| h | c60333 | 35.7mg | 2.08gm | 6/50 | 17.5mg | 7/50 | 35.0mg | 17/50 | | | liv:hpa,hpc, nnd. |
| i | c60333 | 45.2mg | n.s.s. | 6/50 | 17.5mg | 8/50 | 35.0mg | 13/50 | | | lun:a/a,a/c. |
| 270 | c60333 | 8.07mg | 32.0mg | 16/50 | 17.5mg | 30/50 | 35.0mg | 43/50 | | | hag:ade; liv:hpa,hpc; lun:a/a,a/c. C |
| a | c60333 | 11.4mg | 30.6mg | 2/50 | 17.5mg | 14/50 | 35.0mg | 30/50 | | | hag:ade,car. S |
| b | c60333 | 11.7mg | 29.4mg | 1/50 | 17.5mg | 14/50 | 35.0mg | 29/50 | | | |
| c | c60333 | 15.2mg | 186.mg | 12/50 | 17.5mg | 17/50 | 35.0mg | 26/50 | | | liv:hpa,hpc. |
| d | c60333 | 20.4mg | 163.mg | 5/50 | 17.5mg | 10/50 | 35.0mg | 18/50 | | | lun:a/a,a/c. |
| e | c60333 | 23.3mg | 1.15gm | 8/50 | 17.5mg | 4/50 | 35.0mg | 19/50 | | | S |
| f | c60333 | 30.7mg | 2.27gm | 3/50 | 17.5mg | 6/50 | 35.0mg | 11/50 | | | S |
| g | c60333 | 35.1mg | 897.mg | 2/50 | 17.5mg | 4/50 | 35.0mg | 10/50 | | | S |
| h | c60333 | 27.1mg | n.s.s. | 6/50 | 17.5mg | 13/50 | 35.0mg | 12/50 | | | S |
| i | c60333 | 10.2mg | n.s.s. | 35/50 | 17.5mg | 39/50 | 35.0mg | 47/50 | | | |
| j | c60333 | 15.2mg | 186.mg | 12/50 | 17.5mg | 17/50 | 35.0mg | 26/50 | | | liv:hpa,hpc, nnd. |
| k | c60333 | 20.4mg | 163.mg | 5/50 | 17.5mg | 10/50 | 35.0mg | 18/50 | | | lun:a/a,a/c. |
| 271 | c60333 | 6.33mg | n.s.s. | 45/50 | 4.20mg | 36/50 | 8.41mg | 42/50 | | | |
| a | c60333 | n.s.s. | n.s.s. | 0/50 | 4.20mg | 0/50 | 8.41mg | 0/50 | | | liv:hpa,hpc, nnd. |
| 272 | c60333 | 4.72mg | n.s.s. | 1/50 | 4.20mg | 6/50 | (8.41mg | 3/50) | | | S |
| a | c60333 | 5.39mg | n.s.s. | 45/50 | 4.20mg | 40/50 | 8.41mg | 45/50 | | | |
| b | c60333 | 11.0mg | n.s.s. | 4/50 | 4.20mg | 2/50 | (8.41mg | 0/50) | | | liv:hpa,hpc, nnd. |
| p-METHYLSTYRENE 622-97-9 | | | | | | | | | | | |
| 273 | bt107 | 200.mg | n.s.s. | 13/60 | 6.71mg | 5/60 | 33.6mg | 10/60 | 168.mg | 15/60 | Conti; anya, 534, 203-234; 1988 |
| a | bt107 | 42.6mg | n.s.s. | 0/60 | 6.71mg | 0/60 | 33.6mg | 0/60 | 168.mg | 0/60 | |
| b | bt107 | 104.mg | n.s.s. | 33/60 | 6.71mg | 18/60 | 33.6mg | 33/60 | 168.mg | 33/60 | |
| c | bt107 | 343.mg | n.s.s. | 19/60 | 6.71mg | 10/60 | 33.6mg | 20/60 | 168.mg | 13/60 | |
| 274 | bt107 | 262.mg | n.s.s. | 7/60 | 6.71mg | 5/60 | 33.6mg | 7/60 | 168.mg | 10/60 | |
| a | bt107 | 793.mg | n.s.s. | 5/60 | 6.71mg | 4/60 | 33.6mg | 6/60 | 168.mg | 2/60 | |
| b | bt107 | 583.mg | n.s.s. | 12/60 | 6.71mg | 7/60 | 33.6mg | 9/60 | 168.mg | 6/60 | |
| c | bt107 | 320.mg | n.s.s. | 20/60 | 6.71mg | 14/60 | 33.6mg | 18/60 | 168.mg | 15/60 | |
| MISOPROSTOL 59122-46-2 | | | | | | | | | | | |
| 275 | 1841 | 106.mg | n.s.s. | 1/64 | .160mg | 1/64 | 1.60mg | 0/64 | 16.0mg | 1/64 | Port; txy, 15, 134-142; 1987/pers. comm. |
| a | 1841 | 110.mg | n.s.s. | 0/64 | .160mg | 3/64 | 1.60mg | 0/64 | 16.0mg | 1/64 | |
| b | 1841 | 176.mg | n.s.s. | 2/64 | .160mg | 2/64 | 1.60mg | 0/64 | 16.0mg | 0/64 | |
| c | 1841 | 96.2mg | n.s.s. | 0/64 | .160mg | 2/64 | 1.60mg | 2/64 | 16.0mg | 1/64 | |
| d | 1841 | 69.7ug | .481mg | 22/64 | .160mg | 42/64 | (1.60mg | 21/64 | 16.0mg | 18/64) | |
| 276 | 1841 | 5.97mg | n.s.s. | 15/64 | .160mg | 11/64 | 1.60mg | 9/64 | (16.0mg | 2/64) | |
| a | 1841 | 109.mg | n.s.s. | 2/64 | .160mg | 1/64 | 1.60mg | 1/64 | 16.0mg | 1/64 | |
| b | 1841 | 148.mg | n.s.s. | 0/64 | .160mg | 1/64 | 1.60mg | 1/64 | 16.0mg | 0/64 | |
| c | 1841 | 167.mg | n.s.s. | 2/64 | .160mg | 4/64 | 1.60mg | 1/64 | 16.0mg | 0/64 | |
| d | 1841 | 176.mg | n.s.s. | 1/64 | .160mg | 1/64 | 1.60mg | 0/64 | 16.0mg | 0/64 | |
| e | 1841 | 2.86mg | n.s.s. | 34/64 | .160mg | 27/64 | 1.60mg | 27/64 | (16.0mg | 15/64) | |
| 277 | 1840 | 18.1mg | n.s.s. | 0/60 | 24.0ug | 2/60 | .240mg | 1/59 | 2.40mg | 1/60 | Dodd; txy, 15, 125-133; 1987/pers. comm. |
| a | 1840 | 22.4mg | n.s.s. | 0/60 | 24.0ug | 0/60 | .240mg | 1/59 | 2.40mg | 0/60 | |
| b | 1840 | 5.70mg | n.s.s. | 23/60 | 24.0ug | 27/60 | .240mg | 37/59 | 2.40mg | 24/60 | |
| c | 1840 | 2.28mg | n.s.s. | 56/60 | 24.0ug | 58/60 | .240mg | 54/59 | 2.40mg | 52/60 | |
| 278 | 1840 | 18.8mg | n.s.s. | 2/60 | 24.0ug | 0/60 | .240mg | 1/60 | 2.40mg | 1/60 | |
| a | 1840 | .350mg | n.s.s. | 47/60 | 24.0ug | 49/60 | .240mg | 42/60 | (2.40mg | 24/60) | |
| NALIDIXIC ACID 389-08-2 | | | | | | | | | | | |
| 279 | c56199 | 1.38gm | n.s.s. | 0/50 | 258.mg | 2/50 | 515.mg | 3/50 | | | S |
| a | c56199 | 344.mg | n.s.s. | 36/50 | 258.mg | 39/50 | 515.mg | 35/50 | | | |
| b | c56199 | 963.mg | n.s.s. | 4/50 | 258.mg | 6/50 | 515.mg | 7/50 | | | liv:hpa,hpc, nnd. |

| Spe | Strain | Site | Xpo+Xpt | | | TD50 | 2Tailpvl |
|---|---------|---------|-------------|---|---|--------------|-------------------|
| Sex | Route | Hist | Notes | | | DR | AuOp |
| c | M f b6c | eat lun | MXB 24m24 | | | 4.90gm | * P<.4 |
| 280 | M m b6c | eat sub | MXA 24m24 | | : | 1.21gm | * P<.04 e |
| a | M m b6c | eat TBA | MXB 24m24 | | | 1.33gm | * P<.4 |
| b | M m b6c | eat liv | MXB 24m24 | | | no dre | P=1. |
| c | M m b6c | eat lun | MXB 24m24 | | | 4.60gm | * P<.6 |
| 281 | R f f34 | eat cli | MXA 24m24 | | : | 372.mg | * P<.05 c |
| a | R f f34 | eat TBA | MXB 24m24 | | | no dre | P=1. |
| b | R f f34 | eat liv | MXB 24m24 | | | no dre | P=1. |
| 282 | R m f34 | eat pre | MXA 24m24 | | : | 138.mg | * P<.0005c |
| a | R m f34 | eat pre | can 24m24 | | : | 211.mg | * P<.0005 |
| b | R m f34 | eat pre | adn 24m24 | | : | 301.mg | * P<.02 |
| c | R m f34 | eat pre | MXA 24m24 | | | 358.mg | * P<.05 |
| d | R m f34 | eat TBA | MXB 24m24 | | | 7.60gm | * P<.1 |
| e | R m f34 | eat liv | MXB 24m24 | | | no dre | P=1. |
| NEOSUGAR | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | |
| 283 | R f f3d | eat spl | leu 24m24 | | | > | 25.5gm * P<.5 - |
| a | R f f3d | eat pit | ade 24m24 | | | | no dre P=1. - |
| 284 | R m f3d | eat pit | ade 24m24 | | | + | 3.55gm * P<.007 - |
| NITRITE, SODIUM*** | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | |
| 285 | H f syg | eat liv | cgf 97w97 e | | | > | no dre P=1. |
| a | H f syg | eat tba | tum 97w97 e | | | | 477.mg P<.6 |
| 286 | H m syg | eat liv | tum 24m24 e | | | > | no dre P=1. |
| a | H m syg | eat tba | tum 24m24 e | | | | no dre P=1. |
| 287 | R f f34 | eat liv | mix 24m30 | | + | | 136.mg P<.003 |
| a | R f f34 | eat liv | nnd 24m30 | | | | 218.mg P<.03 |
| b | R f f34 | eat liv | hpc 24m30 | | | | 516.mg P<.02 |
| 288 | R m f34 | eat liv | mix 24m30 | | | > | 641.mg P<.3 |
| a | R m f34 | eat liv | nnd 24m30 | | | | 674.mg P<.3 |
| b | R m f34 | eat liv | hpc 24m30 | | | | no dre P=1. |
| 5-NITRO-2-FURALDEHYDE SEMICARBAZONE*** | | | |1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | |
| 289 | M f b6c | eat ova | MXB 24m24 | | : | 22.4mg | * P<.0005 |
| a | M f b6c | eat ova | MXA 24m24 | | : | 29.8mg | * P<.0005 |
| b | M f b6c | eat ova | mtb 24m24 | | | 30.8mg | * P<.0005c |
| c | M f b6c | eat ova | gct 24m24 | | | 124.mg | * P<.005 c |
| d | M f b6c | eat TBA | MXB 24m24 | | | 66.2mg | * P<.3 |
| e | M f b6c | eat liv | MXB 24m24 | | | no dre | P=1. |
| f | M f b6c | eat lun | MXB 24m24 | | | 241.mg | * P<.3 |
| 290 | M m b6c | eat sub | MXA 24m24 | | : | #154.mg | * P<.05 - |
| a | M m b6c | eat TBA | MXB 24m24 | | | 89.3mg | * P<.4 |
| b | M m b6c | eat liv | MXB 24m24 | | | 152.mg | * P<.7 |
| c | M m b6c | eat lun | MXB 24m24 | | | 1.38gm | * P<.9 |
| 291 | R f f34 | eat mgl | fa 24m24 | | : | 15.7mg | * P<.0005c |
| a | R f f34 | eat TBA | MXB 24m24 | | | no dre | P=1. |
| b | R f f34 | eat liv | MXB 24m24 | | | 253.mg | * P<.2 |
| 292 | R m f34 | eat tnv | MXA 24m24 | | : | 44.0mg | * P<.003 e |
| a | R m f34 | eat ski | MXA 24m24 | | | 151.mg | * P<.006 e |
| b | R m f34 | eat pre | can 24m24 | | | 65.5mg | * P<.03 e |
| c | R m f34 | eat ski | sea 24m24 | | | 177.mg | * P<.02 |
| d | R m f34 | eat TBA | MXB 24m24 | | | 33.8mg | * P<.3 |
| e | R m f34 | eat liv | MXB 24m24 | | | no dre | P=1. |
| 3-NITRO-4-HYDROXYPHENYLARSONIC ACID*** | | | |1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | |
| 293 | M f b6c | eat TBA | MXB 24m24 | | | > | no dre P=1. - |
| a | M f b6c | eat liv | MXB 24m24 | | | | no dre P=1. |
| b | M f b6c | eat lun | MXB 24m24 | | | 193.mg | * P<.6 |
| 294 | M m b6c | eat MXA | MXA 24m24 | | : | #138.mg | * P<.03 - |
| a | M m b6c | eat TBA | MXB 24m24 | | | no dre | P=1. |
| b | M m b6c | eat liv | MXB 24m24 | | | no dre | P=1. |
| c | M m b6c | eat lun | MXB 24m24 | | | no dre | P=1. |
| 295 | R f f34 | eat TBA | MXB 24m24 | | | > | no dre P=1. - |
| a | R f f34 | eat liv | MXB 24m24 | | | | no dre P=1. |
| 296 | R m f34 | eat pit | pda 24m24 | | : | 3.40mg | * P<.05 |
| a | R m f34 | eat pni | ade 24m24 | | | 16.5mg | * P<.02 |
| b | R m f34 | eat pan | ade 24m24 | | | 19.0mg | * P<.07 e |
| c | R m f34 | eat TBA | MXB 24m24 | | | 7.20mg | * P<.5 |
| d | R m f34 | eat liv | MXB 24m24 | | | no dre | P=1. |
| 1-[(5-NITROFURFURYLIDENE)AMINO]HYDANTOIN*** | | | | .1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | |
| 297 | M f b6c | eat ova | MXB 24m24 s | | : | 866.mg | * P<.003 |
| a | M f b6c | eat ova | MXA 24m24 s | | : | 1.40gm | / P<.004 c |
| b | M f b6c | eat ova | tua 24m24 s | | | 2.53gm | * P<.03 c |
| c | M f b6c | eat ova | mtb 24m24 s | | | 3.38gm | * P<.05 c |
| d | M f b6c | eat ova | MXA 24m24 s | | | +hist 2.56gm | * P<.4 c |
| e | M f b6c | eat ova | gcb 24m24 s | | | +hist 8.47gm | * P<.9 c |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--|--------|--------|--------|-------|--------|-------|---------|-----------------------|---|
| c | c56199 | 1.27gm | n.s.s. | 1/50 | 258.mg | 5/50 | 515.mg | 2/50 | Lun:a/a,a/c. |
| 280 | c56199 | 536.mg | n.s.s. | 5/50 | 238.mg | 9/50 | 475.mg | 14/50 | sub:fbs, fib. |
| a | c56199 | 342.mg | n.s.s. | 26/50 | 238.mg | 24/50 | 475.mg | 32/50 | |
| b | c56199 | 1.07gm | n.s.s. | 10/50 | 238.mg | 12/50 | 475.mg | 7/50 | liv:hpa,hpc, nnd. |
| c | c56199 | 848.mg | n.s.s. | 6/50 | 238.mg | 5/50 | 475.mg | 8/50 | Lun:a/a,a/c. |
| 281 | c56199 | 165.mg | n.s.s. | 5/50 | 99.0mg | 15/50 | 198.mg | 16/50 | cli:adn, can, ppc, ppn. |
| a | c56199 | 102.mg | n.s.s. | 47/50 | 99.0mg | 43/50 | (198.mg | 41/50) | |
| b | c56199 | 1.14gm | n.s.s. | 1/50 | 99.0mg | 0/50 | 198.mg | 1/50 | liv:hpa,hpc, nnd. |
| 282 | c56199 | 82.0mg | 416.mg | 3/50 | 79.2mg | 19/50 | 159.mg | 20/50 | pre:adn, can, ppn. |
| a | c56199 | 126.mg | 458.mg | 0/50 | 79.2mg | 10/50 | 159.mg | 12/50 | |
| b | c56199 | 145.mg | n.s.s. | 2/50 | 79.2mg | 10/50 | 159.mg | 10/50 | S |
| c | c56199 | 155.mg | n.s.s. | 3/50 | 79.2mg | 10/50 | 159.mg | 10/50 | pre:adn, ppn. S |
| d | c56199 | 94.9mg | n.s.s. | 44/50 | 79.2mg | 45/50 | 159.mg | 44/50 | |
| e | c56199 | 746.mg | n.s.s. | 2/50 | 79.2mg | 1/50 | 159.mg | 1/50 | liv:hpa,hpc, nnd. |
| NEOSUGAR 88385-81-3 | | | | | | | | | |
| 283 | 1880 | 5.05gm | n.s.s. | 4/50 | 400.mg | 7/50 | 1.00gm | 12/50 | 2.50gm 7/50 |
| a | 1880 | 8.67gm | n.s.s. | 24/50 | 400.mg | 19/50 | 1.00gm | 19/50 | 2.50gm 14/50 |
| 284 | 1880 | 1.71gm | 59.6gm | 10/50 | 320.mg | 13/50 | 800.mg | 19/50 | 2.00gm 22/50 |
| NITRITE, SODIUM*** 7632-00-0 | | | | | | | | | |
| 285 | 1831 | 402.mg | n.s.s. | 1/14 | 149.mg | 0/15 | | | |
| a | 1831 | 78.7mg | n.s.s. | 5/14 | 149.mg | 7/15 | | | Ernst;carc,8,1843-1845;1987/pers.comm. |
| 286 | 1831 | 391.mg | n.s.s. | 0/16 | 131.mg | 0/15 | | | |
| a | 1831 | 134.mg | n.s.s. | 10/16 | 131.mg | 6/15 | | | |
| 287 | 1854 | 62.3mg | 897.mg | 4/24 | 87.9mg | 14/24 | | | Lijinsky;txih,3,413-422;1987/pers.comm. |
| a | 1854 | 86.7mg | n.s.s. | 4/24 | 87.9mg | 11/24 | | | |
| b | 1854 | 178.mg | n.s.s. | 0/24 | 87.9mg | 4/24 | | | |
| 288 | 1854 | 164.mg | n.s.s. | 3/24 | 92.3mg | 6/24 | | | |
| a | 1854 | 180.mg | n.s.s. | 2/24 | 92.3mg | 5/24 | | | |
| b | 1854 | 429.mg | n.s.s. | 1/24 | 92.3mg | 1/24 | | | |
| 5-NITRO-2-FURALDEHYDE SEMICARBAZONE*** (nitrofurazone) 59-87-0 | | | | | | | | | |
| 289 | c56064 | 15.4mg | 37.7mg | 1/50 | 19.3mg | 20/50 | 39.9mg | 29/50 | ova:gct, mtb. C |
| a | c56064 | 20.1mg | 48.8mg | 0/50 | 19.3mg | 18/50 | 39.9mg | 20/50 | ova:mtb, tua. S |
| b | c56064 | 20.7mg | 50.6mg | 0/50 | 19.3mg | 17/50 | 39.9mg | 20/50 | |
| c | c56064 | 60.2mg | 1.14gm | 1/50 | 19.3mg | 4/50 | 39.9mg | 9/50 | |
| d | c56064 | 19.9mg | n.s.s. | 36/50 | 19.3mg | 43/50 | 39.9mg | 42/50 | |
| e | c56064 | 214.mg | n.s.s. | 3/50 | 19.3mg | 3/50 | 39.9mg | 1/50 | liv:hpa,hpc, nnd. |
| f | c56064 | 73.0mg | n.s.s. | 3/50 | 19.3mg | 7/50 | 39.9mg | 6/50 | Lun:a/a,a/c. |
| 290 | c56064 | 60.1mg | n.s.s. | 3/50 | 17.8mg | 3/50 | 36.8mg | 8/50 | sub:fbs, fib, nfs, srrn. S |
| a | c56064 | 23.9mg | n.s.s. | 28/50 | 17.8mg | 26/50 | 36.8mg | 26/50 | |
| b | c56064 | 20.2mg | n.s.s. | 16/50 | 17.8mg | 15/50 | (36.8mg | 5/50) | liv:hpa,hpc, nnd. |
| c | c56064 | 69.1mg | n.s.s. | 8/50 | 17.8mg | 7/50 | 36.8mg | 6/50 | Lun:a/a,a/c. |
| 291 | c56064 | 9.47mg | 44.2mg | 8/50 | 15.4mg | 36/50 | 30.7mg | 36/50 | |
| a | c56064 | 20.3mg | n.s.s. | 44/50 | 15.4mg | 47/50 | 30.7mg | 46/50 | |
| b | c56064 | 87.3mg | n.s.s. | 0/50 | 15.4mg | 2/50 | 30.7mg | 2/50 | liv:hpa,hpc, nnd. |
| 292 | c56064 | 18.8mg | 195.mg | 0/50 | 12.3mg | 7/50 | (24.6mg | 2/50) | tnv:men, msm. |
| a | c56064 | 55.2mg | 548.mg | 0/50 | 12.3mg | 0/50 | 24.6mg | 5/50 | ski:sea, tri. |
| b | c56064 | 29.4mg | n.s.s. | 1/50 | 12.3mg | 8/50 | 24.6mg | 5/50 | |
| c | c56064 | 59.1mg | n.s.s. | 0/50 | 12.3mg | 0/50 | 24.6mg | 4/50 | S |
| d | c56064 | 9.75mg | n.s.s. | 47/50 | 12.3mg | 46/50 | 24.6mg | 40/50 | |
| e | c56064 | 73.2mg | n.s.s. | 7/50 | 12.3mg | 4/50 | 24.6mg | 3/50 | liv:hpa,hpc, nnd. |
| 3-NITRO-4-HYDROXYPHENYLARSONIC ACID*** (roxarsone) 121-19-7 | | | | | | | | | |
| 293 | c56508 | 32.7mg | n.s.s. | 24/50 | 12.8mg | 11/50 | 25.5mg | 18/50 | |
| a | c56508 | 196.mg | n.s.s. | 3/50 | 12.8mg | 0/50 | 25.5mg | 0/50 | liv:hpa,hpc, nnd. |
| b | c56508 | 34.8mg | n.s.s. | 3/50 | 12.8mg | 4/50 | 25.5mg | 5/50 | Lun:a/a,a/c. |
| 294 | c56508 | 56.5mg | n.s.s. | 0/50 | 11.8mg | 2/50 | 23.5mg | 4/50 | acx:csa; adr:cca. S |
| a | c56508 | 29.5mg | n.s.s. | 35/50 | 11.8mg | 30/50 | 23.5mg | 34/50 | |
| b | c56508 | 71.9mg | n.s.s. | 12/50 | 11.8mg | 15/50 | 23.5mg | 7/50 | liv:hpa,hpc, nnd. |
| c | c56508 | 63.0mg | n.s.s. | 11/50 | 11.8mg | 5/50 | 23.5mg | 10/50 | Lun:a/a,a/c. |
| 295 | c56508 | 4.18mg | n.s.s. | 48/50 | 2.45mg | 47/50 | 4.93mg | 46/50 | |
| a | c56508 | n.s.s. | n.s.s. | 0/50 | 2.45mg | 1/50 | 4.93mg | 0/50 | liv:hpa,hpc, nnd. |
| 296 | c56508 | 1.28mg | n.s.s. | 6/50 | 1.96mg | 13/50 | (3.92mg | 8/50) | S |
| a | c56508 | 6.87mg | n.s.s. | 0/50 | 1.96mg | 3/50 | 3.92mg | 4/50 | S |
| b | c56508 | 6.46mg | n.s.s. | 1/50 | 1.96mg | 1/50 | 3.92mg | 5/50 | |
| c | c56508 | 1.58mg | n.s.s. | 46/50 | 1.96mg | 48/50 | 3.92mg | 47/50 | |
| d | c56508 | 18.5mg | n.s.s. | 2/50 | 1.96mg | 2/50 | 3.92mg | 1/50 | liv:hpa,hpc, nnd. |
| 1-[(5-NITROFURFURYLIDENE)AMINO]HYDANTOIN*** (macrochantin, nitrofurantoin) 67-20-9 | | | | | | | | | |
| 297 | c55196 | 466.mg | 3.57gm | 0/50 | 166.mg | 3/50 | 319.mg | 11/50 | ova:gcb, gcm, mtb, tua. C |
| a | c55196 | 660.mg | 3.82gm | 0/50 | 166.mg | 0/50 | 319.mg | 9/50 | ova:mtb, tua. |
| b | c55196 | 960.mg | n.s.s. | 0/50 | 166.mg | 0/50 | 319.mg | 5/50 | |
| c | c55196 | 1.16gm | n.s.s. | 0/50 | 166.mg | 0/50 | 319.mg | 4/50 | |
| d | c55196 | 972.mg | n.s.s. | 0/50 | 166.mg | 3/50 | 319.mg | 2/50 | ova:gcb, gcm. |
| e | c55196 | 1.12gm | n.s.s. | 0/50 | 166.mg | 3/50 | 319.mg | 1/50 | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvl |
|---|--------|---------|---------|----------|----------------|-------------------|
| Sex | Route | Hist | | | DR | AuOp |
| f | M f | b6c eat | TBA MXB | 24m24 s | no dre | P=1. |
| g | M f | b6c eat | liv MXB | 24m24 s | 2.33gm * | P<.2 |
| h | M f | b6c eat | lun MXB | 24m24 s | no dre | P=1. |
| 298 | M m | b6c eat | TBA MXB | 24m24 | no dre | P=1. - |
| a | M m | b6c eat | liv MXB | 24m24 | no dre | P=1. |
| b | M m | b6c eat | lun MXB | 24m24 | no dre | P=1. |
| 299 | R f | f34 eat | cli ade | 24m24 | : ± | #93.7mg P<.03 - |
| a | R f | f34 eat | TBA MXB | 24m24 | no dre | P=1. |
| b | R f | f34 eat | liv MXB | 24m24 | no dre | P=1. |
| 300 | R m | f34 eat | sub fib | 24m24 | : ± | 303.mg * P<.02 |
| a | R m | f34 eat | kid MXA | 24m24 | +hist 698.mg * | P<.05 p |
| b | R m | f34 eat | TBA MXB | 24m24 | no dre | P=1. |
| c | R m | f34 eat | liv MXB | 24m24 | 332.mg | P<.2 |
| 1-NITROPROPANE*** 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 301 | R m | sda gav | liv hpa | 26w77 ev | .> | .872mg P<1. - |
| 3-NITROSO-2-OXAZOLIDINONE 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 302 | R m | mrw wat | itn mix | 64w64 e | <+ | noTD50 P<.0005+ |
| a | R m | mrw wat | liv mix | 64w64 e | | .582mg P<.0005+ |
| b | R m | mrw wat | tba tum | 64w64 e | | noTD50 P<.0005 |
| 303 | R m | mrw wat | itn mix | 70w70 ev | . + . | .729mg P<.0005+ |
| a | R m | mrw wat | liv mix | 70w70 ev | | 1.15mg P<.0005+ |
| b | R m | mrw wat | tba tum | 70w70 ev | | .335mg P<.0005 |
| N-NITROSODIETHANOLAMINE*** 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 304 | R m | sda wat | liv mix | 38m39 a | . + . | 38.4mg * P<.0005+ |
| a | R m | sda wat | liv hpc | 38m39 a | | 70.4mg * P<.0005+ |
| b | R m | sda wat | liv hmb | 38m39 a | | 126.mg * P<.06 + |
| c | R m | sda wat | ner tum | 38m39 a | | 42.5mg * P<.3 + |
| d | R m | sda wat | --- tum | 38m39 a | | 55.6mg * P<.2 + |
| e | R m | sda wat | git mix | 38m39 a | | 143.mg * P<.6 + |
| f | R m | sda wat | liv hpa | 38m39 a | | 347.mg * P<.3 + |
| g | R m | sda wat | tba ben | 38m39 a | | 7.93mg * P<.2 |
| h | R m | sda wat | tba mal | 38m39 a | | 23.5mg * P<.3 + |
| N-NITROSODIETHYLAMINE*** 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 305 | R m | sda wat | liv mix | 35m37 a | . + . | .270mg Z P<.0005+ |
| a | R m | sda wat | git mix | 35m37 a | | .401mg * P<.0005+ |
| b | R m | sda wat | liv hpc | 35m37 a | | .541mg Z P<.0005+ |
| c | R m | sda wat | eso pam | 35m37 a | | .715mg Z P<.0005+ |
| d | R m | sda wat | liv hmb | 35m37 a | | .719mg * P<.0005+ |
| e | R m | sda wat | eso sqc | 35m37 a | | 3.38mg * P<.002 + |
| f | R m | sda wat | unt tum | 35m37 a | | 6.51mg * P<.3 + |
| g | R m | sda wat | tba mal | 35m37 a | | .188mg * P<.0005+ |
| h | R m | sda wat | tba ben | 35m37 a | | no dre P=1. |
| N-NITROSODIMETHYLAMINE*** 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 306 | R m | f34 gav | lun mix | 30w65 e | . + . | 76.5ug P<.0005+ |
| a | R m | f34 gav | lun a/a | 30w65 e | | .106mg P<.0005+ |
| b | R m | f34 gav | kid mnp | 30w65 e | | .189mg P<.0005+ |
| c | R m | f34 gav | liv mix | 30w65 e | | .189mg P<.0005+ |
| d | R m | f34 gav | liv bht | 30w65 e | | .372mg P<.003 |
| e | R m | f34 gav | lun sqc | 30w65 e | | .372mg P<.003 |
| f | R m | f34 gav | liv cab | 30w65 e | | .822mg P<.04 |
| g | R m | f34 gav | liv hes | 30w65 e | | .822mg P<.04 |
| N-NITROSODITHIAZINE 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 307 | R f | f34 gav | nac car | 11m26 e | . ± | 5.11mg P<.1 |
| a | R f | f34 gav | liv hpc | 11m26 e | | 10.5mg P<.3 - |
| NITROETHYLMETHYLAMINE*** 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 308 | R m | f34 gav | liv bht | 30w55 e | . + . | 50.3ug P<.0005 |
| a | R m | f34 gav | liv mix | 30w55 e | | 50.3ug P<.0005+ |
| b | R m | f34 gav | liv hes | 30w55 e | | .120mg P<.0005 |
| c | R m | f34 gav | nac tum | 30w55 e | | .201mg P<.0005+ |
| d | R m | f34 gav | lun a/a | 30w55 e | | .242mg P<.0005+ |
| N-NITROSOGUAVACOLINE 100ng....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 309 | R m | f34 wat | pae ana | 30m30 | . ± | 7.95mg P<.02 |
| a | R m | f34 wat | liv ade | 30m30 | | no dre P=1. |
| N-NITROSOMETHYL-(2-HYDROXYETHYL)AMINE1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | |
| 310 | R m | f34 gav | liv hpc | 69w69 es | . + . | 1.29mg P<.003 + |
| a | R m | f34 gav | nas sqc | 69w69 es | | 2.06mg P<.02 + |
| b | R m | f34 gav | liv hes | 69w69 es | | 8.97mg P<.3 |
| c | R m | f34 gav | nas sqp | 69w69 es | | 8.97mg P<.3 |
| d | R m | f34 gav | liv nnd | 69w69 es | | no dre P=1. |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--|--------|--------|--------|---------|--------|-------|---------|-----------------------|--|
| f | c55196 | 368.mg | n.s.s. | 30/50 | 166.mg | 35/50 | 319.mg | 41/50 | |
| g | c55196 | 764.mg | n.s.s. | 2/50 | 166.mg | 2/50 | 319.mg | 8/50 | Liv:hpa,hpc,nnd. |
| h | c55196 | 822.mg | n.s.s. | 3/50 | 166.mg | 2/50 | (319.mg | 0/50) | Lun:a/a,a/c. |
| 298 | c55196 | 357.mg | n.s.s. | 31/50 | 153.mg | 27/50 | 294.mg | 33/50 | |
| a | c55196 | 567.mg | n.s.s. | 10/50 | 153.mg | 12/50 | 294.mg | 11/50 | Liv:hpa,hpc,nnd. |
| b | c55196 | 787.mg | n.s.s. | 6/50 | 153.mg | 4/50 | 294.mg | 7/50 | Lun:a/a,a/c. |
| 299 | c55196 | 36.2mg | n.s.s. | 1/50 | 29.4mg | 7/50 | (63.8mg | 4/50) | S |
| a | c55196 | 45.2mg | n.s.s. | 49/50 | 29.4mg | 48/50 | 63.8mg | 46/50 | |
| b | c55196 | n.s.s. | n.s.s. | 0/50 | 29.4mg | 1/50 | 63.8mg | 0/50 | Liv:hpa,hpc,nnd. |
| 300 | c55196 | 142.mg | n.s.s. | 0/50 | 51.3mg | 5/50 | 98.1mg | 4/50 | S |
| a | c55196 | 240.mg | n.s.s. | 0/50 | 51.3mg | 1/50 | 98.1mg | 3/50 | kid:rua,ruc. |
| b | c55196 | 62.1mg | n.s.s. | 48/50 | 51.3mg | 47/50 | 98.1mg | 45/50 | |
| c | c55196 | 90.0mg | n.s.s. | 1/50 | 51.3mg | 4/50 | (98.1mg | 0/50) | Liv:hpa,hpc,nnd. |
| 1-NITROPROPANE*** 108-03-2 | | | | | | | | | |
| 301 | 1837 | 16.8ug | n.s.s. | 1/29 | 9.59ug | 1/26 | | | Fiala;carc,8,1947-1949;1987/pers.comm. |
| 3-NITROSO-2-OXAZOLIDINONE 38347-74-9 | | | | | | | | | |
| 302 | 1813m | n.s.s. | .262mg | 0/17 | 2.14mg | 26/26 | | | Mirvish;jnci,78,387-393;1987/pers.comm. |
| a | 1813m | .315mg | 1.22mg | 0/17 | 2.14mg | 16/26 | | | |
| b | 1813m | n.s.s. | .281mg | 2/17 | 2.14mg | 26/26 | | | |
| 303 | 1813n | .389mg | 1.57mg | 0/17 | 2.15mg | 15/25 | | | |
| a | 1813n | .571mg | 3.09mg | 0/17 | 2.15mg | 11/25 | | | |
| b | 1813n | .171mg | .750mg | 2/17 | 2.15mg | 22/25 | | | |
| N-NITROSODIETHANOLAMINE*** 1116-54-7 | | | | | | | | | |
| 304 | 1838 | 16.0mg | 201.mg | 3/500 | .143mg | 2/80 | .450mg | 1/80 | 1.43mg 6/80 |
| a | 1838 | 24.3mg | 368.mg | 0/500 | .143mg | 0/80 | .450mg | 1/80 | 1.43mg 3/80 |
| b | 1838 | 30.8mg | n.s.s. | 1/500 | .143mg | 1/80 | .450mg | 0/80 | 1.43mg 2/80 |
| c | 1838 | 11.5mg | n.s.s. | 54/500 | .143mg | 8/80 | .450mg | 16/80 | 1.43mg 11/80 |
| d | 1838 | 15.3mg | n.s.s. | 23/500 | .143mg | 8/80 | .450mg | 5/80 | 1.43mg 7/80 |
| e | 1838 | 20.7mg | n.s.s. | 26/500 | .143mg | 7/80 | .450mg | 3/80 | 1.43mg 6/80 |
| f | 1838 | 47.6mg | n.s.s. | 1/500 | .143mg | 0/80 | .450mg | 0/80 | 1.43mg 1/80 |
| g | 1838 | 2.58mg | n.s.s. | 362/500 | .143mg | 61/80 | .450mg | 60/80 | 1.43mg 64/80 |
| h | 1838 | 6.85mg | n.s.s. | 144/500 | .143mg | 29/80 | .450mg | 29/80 | 1.43mg 28/80 |
| N-NITROSODIETHYLAMINE*** (DEN) 55-18-5 | | | | | | | | | |
| 305 | 1838 | .183mg | .422mg | 3/500 | 7.14ug | 2/80 | 22.9ug | 3/80 | 71.4ug 36/80 |
| a | 1838 | .241mg | .807mg | 26/500 | 7.14ug | 9/80 | 22.9ug | 7/80 | 71.4ug 25/80 |
| b | 1838 | .326mg | .991mg | 0/500 | 7.14ug | 1/80 | 22.9ug | 0/80 | 71.4ug 21/80 |
| c | 1838 | .405mg | 1.44mg | 0/500 | 7.14ug | 0/80 | 22.9ug | 0/80 | 71.4ug 17/80 |
| d | 1838 | .408mg | 1.45mg | 0/500 | 7.14ug | 0/80 | 22.9ug | 2/80 | 71.4ug 15/80 |
| e | 1838 | 1.13mg | 26.3mg | 1/500 | 7.14ug | 0/80 | 22.9ug | 0/80 | 71.4ug 4/80 |
| f | 1838 | 1.32mg | n.s.s. | 1/500 | 7.14ug | 2/80 | 22.9ug | 1/80 | 71.4ug 1/80 |
| g | 1838 | .118mg | .370mg | 144/500 | 7.14ug | 23/80 | 22.9ug | 27/80 | 71.4ug 52/80 |
| h | 1838 | .368mg | n.s.s. | 362/500 | 7.14ug | 58/80 | 22.9ug | 54/80 | 71.4ug 53/80 |
| N-NITROSODIMETHYLAMINE*** (DMN) 62-75-9 | | | | | | | | | |
| 306 | 1864 | 37.7ug | .169mg | 0/19 | .527mg | 16/19 | | | Lijinsky;canr,47,3968-3972;1987/pers.comm. |
| a | 1864 | 53.3ug | .240mg | 0/19 | .527mg | 14/19 | | | |
| b | 1864 | 89.9ug | .494mg | 0/19 | .527mg | 10/19 | | | |
| c | 1864 | 89.9ug | .494mg | 0/19 | .527mg | 10/19 | | | |
| d | 1864 | .151mg | 1.92mg | 0/19 | .527mg | 6/19 | | | |
| e | 1864 | .151mg | 1.92mg | 0/19 | .527mg | 6/19 | | | |
| f | 1864 | .248mg | n.s.s. | 0/19 | .527mg | 3/19 | | | |
| g | 1864 | .248mg | n.s.s. | 0/19 | .527mg | 3/19 | | | |
| N-NITROSODITHIAZINE 114282-83-6 | | | | | | | | | |
| 307 | 1884 | 1.25mg | n.s.s. | 0/20 | .702mg | 2/20 | | | Lijinsky;fctx,26,3-7;1988 |
| a | 1884 | 1.71mg | n.s.s. | 0/20 | .702mg | 1/20 | | | |
| NITROSETHYLMETHYLAMINE*** (N-nitrosomethylethylamine) 10595-95-6 | | | | | | | | | |
| 308 | 1864 | 19.8ug | .125mg | 0/19 | .727mg | 15/16 | | | Lijinsky;canr,47,3968-3972;1987/pers.comm. |
| a | 1864 | 19.8ug | .125mg | 0/19 | .727mg | 15/16 | | | |
| b | 1864 | 56.8ug | .302mg | 0/19 | .727mg | 11/16 | | | |
| c | 1864 | 88.9ug | .602mg | 0/19 | .727mg | 8/16 | | | |
| d | 1864 | .103mg | .821mg | 0/19 | .727mg | 7/16 | | | |
| N-NITROSOGUAVACOLINE 55557-02-3 | | | | | | | | | |
| 309 | 1866 | 2.57mg | n.s.s. | 1/80 | 1.00mg | 4/30 | | | Rivenson;canr,48,6912-6917;1988/pers.comm. |
| a | 1866 | 9.37mg | n.s.s. | 6/80 | 1.00mg | 0/30 | | | |
| N-NITROSOMETHYL-(2-HYDROXYETHYL)AMINE 26921-68-6 | | | | | | | | | |
| 310 | 1904 | .522mg | 6.74mg | 0/20 | 1.53mg | 6/20 | | | Koepke;canr,48,1533-1536;1988/pers.comm. |
| a | 1904 | .710mg | n.s.s. | 0/20 | 1.53mg | 4/20 | | | |
| b | 1904 | 1.46mg | n.s.s. | 0/20 | 1.53mg | 1/20 | | | |
| c | 1904 | 1.46mg | n.s.s. | 0/20 | 1.53mg | 1/20 | | | |
| d | 1904 | 1.45mg | n.s.s. | 3/20 | 1.53mg | 2/20 | | | |

| Spe | Strain | Site | Xpo+Xpt | T050 | 2Tailpvl |
|--|--------|---------|------------------|-------|-------------------|
| Sex | Route | Hist | Notes | DR | AuOp |
| N-NITROSOMETHYL-(3-HYDROXYPROPYL)AMINE1ug101001mg101001g10 | | | | | |
| 311 | R f | f34 gav | liv nnd 30m30 e | | 3.48mg P<.004 + |
| a | R f | f34 gav | lun mix 30m30 e | | 8.06mg P<.06 + |
| b | R f | f34 gav | lun a/c 30m30 e | | 24.9mg P<.1 + |
| c | R f | f34 gav | lun a/a 30m30 e | | 14.4mg P<.3 |
| 312 | R m | f34 gav | lun mix 30m30 e | . + . | 1.09mg P<.0005+ |
| a | R m | f34 gav | tes ict 30m30 e | | 2.26mg P<.0005 |
| b | R m | f34 gav | lun a/c 30m30 e | | 2.46mg P<.0005+ |
| c | R m | f34 gav | liv nnd 30m30 e | | 4.78mg P<.06 + |
| d | R m | f34 gav | lun a/a 30m30 e | | 8.46mg P<.3 |
| N-NITROSOMETHYL-(2-TOSYLOXYETHYL)AMINE1ug101001mg101001g10 | | | | | |
| 313 | R f | f34 gav | liv mix 28m28 e | . + . | 3.47mg P<.0005+ |
| a | R f | f34 gav | liv hpc 28m28 e | | 7.55mg P<.0005+ |
| b | R f | f34 gav | liv hes 28m28 e | | 12.8mg P<.003 + |
| c | R f | f34 gav | liv nnd 28m28 e | | 22.3mg P<.3 |
| 314 | R m | f34 gav | liv hes 28m28 e | . + . | 11.8mg P<.007 + |
| a | R m | f34 gav | liv mix 28m28 e | | 7.79mg P<.04 + |
| b | R m | f34 gav | tes ict 28m28 e | | 11.1mg P<.04 |
| c | R m | f34 gav | pit ade 28m28 e | | 11.1mg P<.04 |
| d | R m | f34 gav | liv hpc 28m28 e | | 32.2mg P<.1 + |
| e | R m | f34 gav | liv nnd 28m28 e | | 12.6mg P<.2 |
| N-NITROSOMORPHOLINE*** 100ng1ug101001mg101001g10 | | | | | |
| 315 | R f | f34 wat | liv mix 10m29 es | . + . | .140mg * P<.0005+ |
| a | R f | f34 wat | amd phe 10m29 es | | .325mg Z P<.007 |
| b | R f | f34 wat | thy ccr 10m29 es | | .363mg Z P<.0005 |
| c | R f | f34 wat | liv hpc 10m29 es | | .564mg Z P<.0005+ |
| d | R f | f34 wat | liv hes 10m29 es | | .666mg * P<.0005+ |
| e | R f | f34 wat | liv nnd 10m29 es | | 1.28mg Z P<.0005+ |
| f | R f | f34 wat | eso mix 10m29 es | | 1.97mg Z P<.0005 |
| g | R f | f34 wat | eso sqp 10m29 es | | 2.53mg Z P<.0005 |
| h | R f | f34 wat | ton mix 10m29 es | | 6.54mg Z P<.003 |
| i | R f | f34 wat | ton sqp 10m29 es | | 50.2mg * P<.3 |
| j | R f | f34 wat | thy fca 10m29 es | | no dre P=1. |
| 316 | R f | f34 wat | liv mix 23m29 e | . + . | .127mg * P<.0005+ |
| a | R f | f34 wat | liv nnd 23m29 e | | .239mg * P<.0005+ |
| b | R f | f34 wat | liv hpc 23m29 e | | .431mg * P<.0005+ |
| c | R f | f34 wat | thy fca 23m29 e | | .581mg Z P<.0005 |
| d | R f | f34 wat | liv hes 23m29 e | | .630mg * P<.0005+ |
| e | R f | f34 wat | amd phe 23m29 e | | 1.07mg * P<.06 |
| f | R f | f34 wat | ton sqp 23m29 e | | 3.49mg * P<.02 |
| N-NITROSOPYRROLIDINE*** 100ng1ug101001mg101001g10 | | | | | |
| 317 | R m | sda wat | liv mix 37m38 a | . + . | 2.43mg * P<.0005+ |
| a | R m | sda wat | liv hpc 37m38 a | | 4.06mg * P<.0005+ |
| b | R m | sda wat | liv hpa 37m38 a | | 8.13mg * P<.0005+ |
| c | R m | sda wat | unt tum 37m38 a | | 7.03mg Z P<.1 + |
| d | R m | sda wat | git mix 37m38 a | | 14.9mg * P<.4 + |
| e | R m | sda wat | liv hmm 37m38 a | | 55.7mg * P<.3 |
| f | R m | sda wat | tba mal 37m38 a | | 2.03mg * P<.007 + |
| g | R m | sda wat | tba ben 37m38 a | | no dre P=1. |
| N-NITROSOTHIALDINE 100ng1ug101001mg101001g10 | | | | | |
| 318 | R f | f34 gav | eso sqa 43w90 e | . + . | .483mg P<.0005+ |
| a | R f | f34 gav | eso sqc 43w90 e | | 1.63mg P<.003 |
| b | R f | f34 gav | ton sqa 43w90 e | | 1.53mg P<.02 + |
| c | R f | f34 gav | liv hpa 43w90 e | | 2.61mg P<.02 + |
| d | R f | f34 gav | liv cho 43w90 e | | 3.58mg P<.04 + |
| e | R f | f34 gav | ton sqc 43w90 e | | no dre P=1. |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | | | | Brkly Code | | | | |
|--|--------|--------|--------|---------|---------|--------|---------|--|---------|-------|--------|---|--------|-------|---------------------------------|--|
| N-NITROSOMETHYL-(3-HYDROXYPROPYL)AMINE 70415-59-7 | | | | | | | | | | | | | | | | |
| 311 | 1904 | 1.55mg | 24.4mg | 3/20 | 2.45mg | 12/20 | | Koepke;canr,48,1533-1536;1988/pers.comm. | | | | | | | | |
| a | 1904 | 2.85mg | n.s.s. | 2/20 | 2.45mg | 7/20 | | | | | | | | | | |
| b | 1904 | 6.11mg | n.s.s. | 0/20 | 2.45mg | 2/20 | | | | | | | | | | |
| c | 1904 | 3.87mg | n.s.s. | 2/20 | 2.45mg | 5/20 | | | | | | | | | | |
| 312 | 1904 | .511mg | 2.98mg | 3/20 | 1.71mg | 16/19 | | | | | | | | | | |
| a | 1904 | 1.06mg | 7.37mg | 1/20 | 1.71mg | 11/19 | | | | | | | | | | |
| b | 1904 | 1.17mg | 6.40mg | 0/20 | 1.71mg | 10/19 | | | | | | | | | | |
| c | 1904 | 1.69mg | n.s.s. | 3/20 | 1.71mg | 8/19 | | | | | | | | | | |
| d | 1904 | 2.28mg | n.s.s. | 3/20 | 1.71mg | 6/19 | | | | | | | | | | |
| N-NITROSOMETHYL-(2-TOSYLOXYETHYL)AMINE --- | | | | | | | | | | | | | | | | |
| 313 | 1904 | 1.64mg | 10.3mg | 3/20 | 5.22mg | 15/19 | | Koepke;canr,48,1533-1536;1988/pers.comm. | | | | | | | | |
| a | 1904 | 3.49mg | 21.1mg | 0/20 | 5.22mg | 9/19 | | | | | | | | | | |
| b | 1904 | 5.17mg | 61.8mg | 0/20 | 5.22mg | 6/19 | | | | | | | | | | |
| c | 1904 | 6.01mg | n.s.s. | 3/20 | 5.22mg | 6/19 | | | | | | | | | | |
| 314 | 1904 | 4.45mg | 136.mg | 0/20 | 3.66mg | 5/20 | | | | | | | | | | |
| a | 1904 | 2.94mg | n.s.s. | 3/20 | 3.66mg | 9/20 | | | | | | | | | | |
| b | 1904 | 4.04mg | n.s.s. | 1/20 | 3.66mg | 6/20 | | | | | | | | | | |
| c | 1904 | 4.04mg | n.s.s. | 1/20 | 3.66mg | 6/20 | | | | | | | | | | |
| d | 1904 | 7.91mg | n.s.s. | 0/20 | 3.66mg | 2/20 | | | | | | | | | | |
| e | 1904 | 3.88mg | n.s.s. | 3/20 | 3.66mg | 7/20 | | | | | | | | | | |
| N-NITROSOMORPHOLINE*** 59-89-2 | | | | | | | | | | | | | | | | |
| 315 | 1886m | 95.6ug | .222mg | 1/80 | 7.29ug | 6/48 | 17.8ug | 7/48 | 42.1ug | 15/48 | .104mg | 14/24 | .338mg | 22/23 | Lijinsky;canr,48,2089-2095;1988 | |
| | | | | | 1.06mg | 23/24 | 2.83mg | 24/24 | | | | | | | | |
| a | 1886m | .146mg | 6.40mg | 8/80 | 7.29ug | 10/48 | 17.8ug | 3/48 | 42.1ug | 15/48 | .104mg | 7/24 | .338mg | 5/24 | | |
| | | | | | 1.06mg | 2/24 | 2.83mg | 0/24 | | | | | | | | |
| b | 1886m | .185mg | 1.38mg | 2/80 | 7.29ug | 1/48 | 17.8ug | 4/48 | 42.1ug | 8/48 | .104mg | 5/24 | .338mg | 2/24 | | |
| | | | | | 1.06mg | 2/24 | 2.83mg | 0/24 | | | | | | | | |
| c | 1886m | .382mg | .871mg | 0/80 | 7.29ug | 0/48 | 17.8ug | 1/48 | 42.1ug | 5/48 | .104mg | 7/24 | .338mg | 15/23 | | |
| | | | | | 1.06mg | 16/24 | (2.83mg | 15/24) | | | | | | | | |
| d | 1886m | .432mg | 1.05mg | 0/80 | 7.29ug | 0/48 | 17.8ug | 0/48 | 42.1ug | 1/48 | .104mg | 0/24 | .338mg | 8/23 | | |
| | | | | | 1.06mg | 23/24 | 2.83mg | 24/24 | | | | | | | | |
| e | 1886m | .793mg | 2.31mg | 1/80 | 7.29ug | 6/48 | 17.8ug | 6/48 | 42.1ug | 11/48 | .104mg | 9/24 | .338mg | 15/23 | | |
| | | | | | 1.06mg | 11/24 | 2.83mg | 20/24 | | | | | | | | |
| f | 1886m | 1.09mg | 4.07mg | 0/80 | 7.29ug | 0/48 | 17.8ug | 0/48 | 42.1ug | 0/48 | .104mg | 0/24 | .338mg | 3/24 | | |
| | | | | | 1.06mg | 13/24 | (2.83mg | 5/24) | | | | | | | | |
| g | 1886m | 1.33mg | 5.72mg | 0/80 | 7.29ug | 0/48 | 17.8ug | 0/48 | 42.1ug | 0/48 | .104mg | 0/24 | .338mg | 2/24 | | |
| | | | | | 1.06mg | 11/24 | (2.83mg | 5/24) | | | | | | | | |
| h | 1886m | 2.44mg | 63.6mg | 2/80 | 7.29ug | 2/48 | 17.8ug | 0/48 | 42.1ug | 0/48 | .104mg | 1/24 | .338mg | 2/24 | | |
| | | | | | 1.06mg | 4/24 | (2.83mg | 0/24) | | | | | | | | |
| i | 1886m | 14.1mg | n.s.s. | 0/80 | 7.29ug | 1/48 | 17.8ug | 0/48 | 42.1ug | 0/48 | .104mg | 0/24 | .338mg | 1/24 | | |
| | | | | | 1.06mg | 2/24 | 2.83mg | 0/24 | | | | | | | | |
| j | 1886m | 20.0mg | n.s.s. | 0/80 | 7.29ug | 1/48 | 17.8ug | 0/48 | 42.1ug | 4/48 | .104mg | 1/24 | .338mg | 3/24 | | |
| | | | | | 1.06mg | 0/24 | 2.83mg | 0/24 | | | | | | | | |
| 316 | 1886n | 89.3ug | .192mg | 1/80 | 2.27ug | 6/100 | 5.83ug | 5/99 | 14.6ug | 7/47 | 35.6ug | 9/48 | 84.2ug | 22/48 | | |
| | | | | | .249mg | 23/24 | | | | | | | | | | |
| a | 1886n | .156mg | .411mg | 1/80 | 2.27ug | 5/100 | 5.83ug | 5/99 | 14.6ug | 6/47 | 35.6ug | 8/48 | 84.2ug | 15/48 | | |
| | | | | | .249mg | 15/24 | | | | | | | | | | |
| b | 1886n | .266mg | .761mg | 0/80 | 2.27ug | 1/100 | 5.83ug | 0/99 | 14.6ug | 0/47 | 35.6ug | 1/48 | 84.2ug | 7/48 | | |
| | | | | | .249mg | 16/24 | | | | | | | | | | |
| c | 1886n | .299mg | 1.95mg | 0/80 | 2.27ug | 0/100 | 5.83ug | 2/100 | 14.6ug | 3/48 | 35.6ug | 0/48 | 84.2ug | 7/48 | | |
| | | | | | (.249mg | 2/24) | | | | | | | | | | |
| d | 1886n | .361mg | 1.24mg | 0/80 | 2.27ug | 0/100 | 5.83ug | 0/99 | 14.6ug | 0/47 | 35.6ug | 0/48 | 84.2ug | 5/48 | | |
| | | | | | .249mg | 13/24 | | | | | | | | | | |
| e | 1886n | .377mg | n.s.s. | 8/80 | 2.27ug | 22/100 | 5.83ug | 18/100 | 14.6ug | 8/48 | 35.6ug | 12/48 | 84.2ug | 13/48 | | |
| | | | | | .249mg | 7/24 | | | | | | | | | | |
| f | 1886n | 1.08mg | n.s.s. | 0/80 | 2.27ug | 1/100 | 5.83ug | 1/100 | 14.6ug | 0/48 | 35.6ug | 1/48 | 84.2ug | 1/48 | | |
| | | | | | .249mg | 2/24 | | | | | | | | | | |
| N-NITROSPYRROLIDINE*** 930-55-2 | | | | | | | | | | | | | | | | |
| 317 | 1838 | 1.44mg | 4.68mg | 3/500 | 28.6ug | 1/80 | 95.0ug | 4/80 | .286mg | 17/80 | | Berger;carc,8,1635-1643;1987/pers.comm. | | | | |
| a | 1838 | 2.14mg | 9.15mg | 0/500 | 28.6ug | 1/80 | 95.0ug | 0/80 | .286mg | 12/80 | | | | | | |
| b | 1838 | 3.42mg | 31.2mg | 1/500 | 28.6ug | 0/80 | 95.0ug | 2/80 | .286mg | 5/80 | | | | | | |
| c | 1838 | 1.78mg | n.s.s. | 1/500 | 28.6ug | 2/80 | 95.0ug | 1/80 | (.286mg | 0/80) | | | | | | |
| d | 1838 | 3.25mg | n.s.s. | 26/500 | 28.6ug | 6/80 | 95.0ug | 7/80 | .286mg | 6/80 | | | | | | |
| e | 1838 | 9.07mg | n.s.s. | 0/500 | 28.6ug | 0/80 | 95.0ug | 1/80 | .286mg | 0/80 | | | | | | |
| f | 1838 | .933mg | 38.1mg | 144/500 | 28.6ug | 23/80 | 95.0ug | 28/80 | .286mg | 35/80 | | | | | | |
| g | 1838 | 1.18mg | n.s.s. | 362/500 | 28.6ug | 63/80 | 95.0ug | 59/80 | .286mg | 55/80 | | | | | | |
| N-NITROTHIALDINE 81795-07-5 | | | | | | | | | | | | | | | | |
| 318 | 1884 | .247mg | 1.09mg | 0/20 | 1.13mg | 14/20 | | Lijinsky;fctx,26,3-7;1988 | | | | | | | | |
| a | 1884 | .661mg | 8.52mg | 0/20 | 1.13mg | 6/20 | | | | | | | | | | |
| b | 1884 | .603mg | n.s.s. | 1/20 | 1.13mg | 7/20 | | | | | | | | | | |
| c | 1884 | .897mg | n.s.s. | 0/20 | 1.13mg | 4/20 | | | | | | | | | | |
| d | 1884 | 1.08mg | n.s.s. | 0/20 | 1.13mg | 3/20 | | | | | | | | | | |
| e | 1884 | 2.09mg | n.s.s. | 1/20 | 1.13mg | 1/20 | | | | | | | | | | |

| Spe | Strain | Site | Xpo+Xpt | | | TD50 | 2Tailpvl |
|---|--------|------|---------|-----|-----|-----------|--------------------|
| Sex | Route | Hist | Notes | | | DR | AuOp |
| OCHRATOXIN A*** 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 319 | R f | f34 | gav | kid | MXA | 24m24 | .485mg * P<.0005c |
| a | R f | f34 | gav | kid | rua | 24m24 | .813mg * P<.003 c |
| b | R f | f34 | gav | kid | ruc | 24m24 | 1.31mg * P<.02 c |
| c | R f | f34 | gav | MXB | MXB | 24m24 | .386mg * P<.3 |
| d | R f | f34 | gav | mgf | fa | 24m24 | .550mg * P<.5 c |
| e | R f | f34 | gav | TBA | MXB | 24m24 | no dre P=1. |
| f | R f | f34 | gav | liv | MXB | 24m24 | no dre P=1. |
| 320 | R m | f34 | gav | kid | MXA | 24m24 | 57.9ug * P<.0005c |
| a | R m | f34 | gav | kid | MXA | 24m24 | 75.6ug * P<.0005c |
| b | R m | f34 | gav | kid | MXA | 24m24 | .241mg * P<.0005c |
| c | R m | f34 | gav | TBA | MXB | 24m24 | 86.3ug * P<.007 |
| d | R m | f34 | gav | liv | MXB | 24m24 | 2.50mg * P<.3 |
| C.I. ACID ORANGE 3 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 321 | M f | b6c | gav | lun | a/a | 24m24 | #2.59gm * P<.05 - |
| a | M f | b6c | gav | TBA | MXB | 24m24 | no dre P=1. |
| b | M f | b6c | gav | liv | MXB | 24m24 | 7.55gm * P<.8 |
| c | M f | b6c | gav | lun | MXB | 24m24 | 11.6gm * P<.8 |
| 322 | M m | b6c | gav | liv | hpc | 24m24 | #184. mg P<.02 - |
| a | M m | b6c | gav | TBA | MXB | 24m24 | 372. mg * P<.4 |
| b | M m | b6c | gav | liv | MXB | 24m24 | no dre P=1. |
| c | M m | b6c | gav | lun | MXB | 24m24 | 5.86gm * P<.9 |
| 323 | R f | f34 | gav | kid | tcc | 24m24 s | 1.71gm / P<.0005c |
| a | R f | f34 | gav | TBA | MXB | 24m24 s | 361. mg * P<.05 |
| b | R f | f34 | gav | liv | MXB | 24m24 s | 5.09gm * P<.5 |
| 324 | R m | f34 | gav | TBA | MXB | 23m24 ans | 270. mg / P<.03 - |
| a | R m | f34 | gav | liv | MXB | 23m24 ans | no dre P=1. |
| C.I. ACID ORANGE 10 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 325 | M f | b6c | eat | TBA | MXB | 24m24 | no dre P=1. - |
| a | M f | b6c | eat | liv | MXB | 24m24 | no dre P=1. |
| b | M f | b6c | eat | lun | MXB | 24m24 | no dre P=1. |
| 326 | M m | b6c | eat | TBA | MXB | 24m24 | no dre P=1. - |
| a | M m | b6c | eat | liv | MXB | 24m24 | no dre P=1. |
| b | M m | b6c | eat | lun | MXB | 24m24 | 22.0gm * P<.8 |
| 327 | R f | f34 | eat | TBA | MXB | 24m24 | no dre P=1. - |
| a | R f | f34 | eat | liv | MXB | 24m24 | no dre P=1. |
| 328 | R m | f34 | eat | tnv | MXA | 24m24 | #915. mg * P<.05 - |
| a | R m | f34 | eat | TBA | MXB | 24m24 | 2.71gm * P<.9 |
| b | R m | f34 | eat | liv | MXB | 24m24 | 620. mg * P<.06 |
| PENICILLIN VK 100ng...1ug...10...100...1mg...10...100...1g...10 | | | | | | | |
| 329 | M f | b6c | gav | TBA | MXB | 24m24 | no dre P=1. - |
| a | M f | b6c | gav | liv | MXB | 24m24 | 10.2gm * P<.6 |
| b | M f | b6c | gav | lun | MXB | 24m24 | 16.6gm * P<.7 |
| 330 | M m | b6c | gav | TBA | MXB | 24m24 | no dre P=1. - |
| a | M m | b6c | gav | liv | MXB | 24m24 | no dre P=1. |
| b | M m | b6c | gav | lun | MXB | 24m24 | no dre P=1. |
| 331 | R f | f34 | gav | thy | MXA | 24m24 s | #1.36gm * P<.03 - |
| a | R f | f34 | gav | thy | cca | 24m24 s | 1.62gm * P<.05 |
| b | R f | f34 | gav | cli | adn | 24m24 s | 3.65gm * P<.02 |
| c | R f | f34 | gav | TBA | MXB | 24m24 s | 503. mg * P<.08 |
| d | R f | f34 | gav | liv | MXB | 24m24 s | no dre P=1. |
| 332 | R m | f34 | gav | pta | MXA | 24m24 s | #874. mg * P<.02 - |
| a | R m | f34 | gav | pta | adn | 24m24 s | 949. mg * P<.03 |
| b | R m | f34 | gav | TBA | MXB | 24m24 s | 544. mg * P<.08 |
| c | R m | f34 | gav | liv | MXB | 24m24 s | 12.2gm * P<.5 |
| 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)***10...100...1mg...10...100...1g...10 | | | | | | | |
| 333 | M f | b6c | eat | MXB | MXB | 24m24 | 28.7mg * P<.0005 |
| a | M f | b6c | eat | liv | MXA | 24m24 | 38.3mg * P<.0005c |
| b | M f | b6c | eat | amd | MXA | 24m24 | 38.8mg Z P<.0005c |
| c | M f | b6c | eat | amd | MXA | 24m24 | 40.3mg Z P<.0005 |
| d | M f | b6c | eat | liv | hpa | 24m24 | 40.6mg * P<.0005 |
| e | M f | b6c | eat | --- | MXA | 24m24 | 187. mg * P<.0005 |
| f | M f | b6c | eat | --- | hes | 24m24 | 200. mg * P<.002 c |
| g | M f | b6c | eat | TBA | MXB | 24m24 | 86.1mg Z P<.2 |
| h | M f | b6c | eat | liv | MXB | 24m24 | 38.3mg * P<.0005 |
| i | M f | b6c | eat | lun | MXB | 24m24 | 12.8gm * P<.1 |
| 334 | M m | b6c | eat | amd | MXA | 24m24 | 17.4mg * P<.0005 |
| a | M m | b6c | eat | amd | MXA | 24m24 | 17.5mg * P<.0005c |
| b | M m | b6c | eat | MXB | MXB | 24m24 | 24.9mg Z P<.0005 |
| c | M m | b6c | eat | liv | hpa | 24m24 | 36.2mg * P<.0005 |
| d | M m | b6c | eat | liv | MXA | 24m24 | 38.3mg Z P<.003 c |
| e | M m | b6c | eat | TBA | MXB | 24m24 | 57.8mg * P<.09 |
| f | M m | b6c | eat | liv | MXB | 24m24 | 38.3mg Z P<.003 |
| g | M m | b6c | eat | lun | MXB | 24m24 | 1.94gm * P<.9 |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | | |
|--|--------|--------|--------|-------|--------|-------|---------|-----------------------|------------|-------|--|
| OCHRATOXIN A*** 303-47-9 | | | | | | | | | | | |
| 319 | c56586 | .235mg | 1.40mg | 0/50 | 14.8ug | 0/51 | 49.4ug | 2/50 | .148mg | 8/50 | kid:rua,ruc. |
| a | c56586 | .331mg | 4.82mg | 0/50 | 14.8ug | 0/51 | 49.4ug | 1/50 | .148mg | 5/50 | |
| b | c56586 | .448mg | n.s.s. | 0/50 | 14.8ug | 0/51 | 49.4ug | 1/50 | .148mg | 3/50 | |
| c | c56586 | .103mg | n.s.s. | 17/50 | 14.8ug | 23/51 | 49.4ug | 24/50 | .148mg | 30/50 | kid:rua,ruc; mgl: fba. C |
| d | c56586 | .116mg | n.s.s. | 17/50 | 14.8ug | 23/51 | 49.4ug | 22/50 | .148mg | 28/50 | |
| e | c56586 | .117mg | n.s.s. | 39/50 | 14.8ug | 44/51 | 49.4ug | 40/50 | .148mg | 45/50 | |
| f | c56586 | n.s.s. | n.s.s. | 0/50 | 14.8ug | 0/51 | 49.4ug | 0/50 | .148mg | 0/50 | liv:hpa,hpc,nnnd. |
| 320 | c56586 | 40.6ug | 87.9ug | 1/50 | 14.8ug | 1/51 | 49.3ug | 20/51 | .148mg | 36/50 | kid:rua,ruc,rue,tcb. |
| a | c56586 | 51.8ug | .115mg | 0/50 | 14.8ug | 0/51 | 49.3ug | 16/51 | .148mg | 30/50 | kid:ruc,tcb. |
| b | c56586 | .127mg | .729mg | 1/50 | 14.8ug | 1/51 | 49.3ug | 6/51 | .148mg | 10/50 | kid:rua,rue. |
| c | c56586 | 40.9ug | 1.42mg | 43/50 | 14.8ug | 38/51 | 49.3ug | 44/51 | .148mg | 50/50 | |
| d | c56586 | .495mg | n.s.s. | 1/50 | 14.8ug | 0/51 | 49.3ug | 0/51 | .148mg | 2/50 | liv:hpa,hpc,nnnd. |
| C.I. ACID ORANGE 3 6373-74-6 | | | | | | | | | | | |
| 321 | c54911 | 868.mg | n.s.s. | 0/50 | 177.mg | 1/50 | 354.mg | 3/50 | | | S |
| a | c54911 | 165.mg | n.s.s. | 35/50 | 177.mg | 27/50 | (354.mg | 23/50) | | | |
| b | c54911 | 707.mg | n.s.s. | 3/50 | 177.mg | 4/50 | 354.mg | 4/50 | | | liv:hpa,hpc,nnnd. |
| c | c54911 | 1.10gm | n.s.s. | 2/50 | 177.mg | 2/50 | 354.mg | 3/50 | | | lun:a/a,a/c. |
| 322 | c54911 | 79.4mg | n.s.s. | 7/50 | 88.4mg | 16/50 | (177.mg | 10/50) | | | S |
| a | c54911 | 96.8mg | n.s.s. | 42/50 | 88.4mg | 36/50 | 177.mg | 39/50 | | | |
| b | c54911 | 224.mg | n.s.s. | 21/50 | 88.4mg | 20/50 | 177.mg | 15/50 | | | liv:hpa,hpc,nnnd. |
| c | c54911 | 266.mg | n.s.s. | 13/50 | 88.4mg | 9/50 | 177.mg | 10/50 | | | lun:a/a,a/c. |
| 323 | c54911 | 683.mg | 6.26gm | 0/50 | 264.mg | 0/50 | 531.mg | 6/50 | | | |
| a | c54911 | 149.mg | n.s.s. | 45/50 | 264.mg | 44/50 | 531.mg | 19/50 | | | |
| b | c54911 | 945.mg | n.s.s. | 1/50 | 264.mg | 3/50 | 531.mg | 0/50 | | | liv:hpa,hpc,nnnd. |
| 324 | c54911 | 113.mg | n.s.s. | 42/50 | 265.mg | 33/50 | 536.mg | 13/50 | | | |
| a | c54911 | 1.65gm | n.s.s. | 2/50 | 265.mg | 0/50 | 536.mg | 0/50 | | | liv:hpa,hpc,nnnd. |
| C.I. ACID ORANGE 10 1936-15-8 | | | | | | | | | | | |
| 325 | c53838 | 709.mg | n.s.s. | 25/50 | 386.mg | 27/50 | (773.mg | 19/50) | | | |
| a | c53838 | 3.72gm | n.s.s. | 3/50 | 386.mg | 3/50 | 773.mg | 3/50 | | | liv:hpa,hpc,nnnd. |
| b | c53838 | 2.15gm | n.s.s. | 2/50 | 386.mg | 1/50 | (773.mg | 0/50) | | | lun:a/a,a/c. |
| 326 | c53838 | 1.45gm | n.s.s. | 30/50 | 360.mg | 19/50 | 720.mg | 25/50 | | | |
| a | c53838 | 2.09gm | n.s.s. | 15/50 | 360.mg | 7/50 | 720.mg | 12/50 | | | liv:hpa,hpc,nnnd. |
| b | c53838 | 2.56gm | n.s.s. | 1/50 | 360.mg | 3/50 | 720.mg | 2/50 | | | lun:a/a,a/c. |
| 327 | c53838 | 89.9mg | n.s.s. | 68/90 | 49.5mg | 33/50 | (149.mg | 31/50) | | | |
| a | c53838 | 967.mg | n.s.s. | 3/90 | 49.5mg | 2/50 | 149.mg | 1/50 | | | liv:hpa,hpc,nnnd. |
| 328 | c53838 | 346.mg | n.s.s. | 0/90 | 39.6mg | 3/50 | 119.mg | 2/50 | | | tnv:men,msm. S |
| a | c53838 | 125.mg | n.s.s. | 61/90 | 39.6mg | 31/50 | 119.mg | 34/50 | | | |
| b | c53838 | 223.mg | n.s.s. | 5/90 | 39.6mg | 3/50 | 119.mg | 8/50 | | | liv:hpa,hpc,nnnd. |
| PENICILLIN VK 132-98-9 | | | | | | | | | | | |
| 329 | c56100 | 754.mg | n.s.s. | 38/50 | 357.mg | 26/50 | 714.mg | 30/50 | | | |
| a | c56100 | 1.66gm | n.s.s. | 3/50 | 357.mg | 4/50 | 714.mg | 4/50 | | | liv:hpa,hpc,nnnd. |
| b | c56100 | 2.19gm | n.s.s. | 4/50 | 357.mg | 1/50 | 714.mg | 5/50 | | | lun:a/a,a/c. |
| 330 | c56100 | 719.mg | n.s.s. | 36/50 | 357.mg | 35/50 | 714.mg | 29/50 | | | |
| a | c56100 | 657.mg | n.s.s. | 19/50 | 357.mg | 18/50 | (714.mg | 8/50) | | | liv:hpa,hpc,nnnd. |
| b | c56100 | 1.81gm | n.s.s. | 10/50 | 357.mg | 9/50 | 714.mg | 6/50 | | | lun:a/a,a/c. |
| 331 | c56100 | 576.mg | n.s.s. | 6/50 | 354.mg | 7/50 | 707.mg | 11/50 | | | thy:cca,ccr. S |
| a | c56100 | 638.mg | n.s.s. | 6/50 | 354.mg | 6/50 | 707.mg | 10/50 | | | S |
| b | c56100 | 1.25gm | n.s.s. | 0/50 | 354.mg | 1/50 | 707.mg | 3/50 | | | S |
| c | c56100 | 197.mg | n.s.s. | 44/50 | 354.mg | 45/50 | 707.mg | 38/50 | | | |
| d | c56100 | n.s.s. | n.s.s. | 0/50 | 354.mg | 1/50 | 707.mg | 0/50 | | | liv:hpa,hpc,nnnd. |
| 332 | c56100 | 390.mg | n.s.s. | 10/50 | 354.mg | 11/50 | 707.mg | 14/50 | | | pta:adn,can. S |
| a | c56100 | 406.mg | n.s.s. | 10/50 | 354.mg | 11/50 | 707.mg | 13/50 | | | S |
| b | c56100 | 210.mg | n.s.s. | 42/50 | 354.mg | 40/50 | 707.mg | 31/50 | | | |
| c | c56100 | 1.99gm | n.s.s. | 0/50 | 354.mg | 1/50 | 707.mg | 0/50 | | | liv:hpa,hpc,nnnd. |
| 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)*** (Dowicide 7, penta, PCP) 87-86-5 | | | | | | | | | | | |
| 333 | c55389 | 19.4mg | 47.8mg | 1/35 | 12.8mg | 6/50 | 25.6mg | 9/50 | 76.9mg | 42/50 | ---:hes; amd:pbb,phm,pob; liv:hpa,hpc. C |
| a | c55389 | 24.4mg | 71.6mg | 1/35 | 12.8mg | 4/50 | 25.6mg | 6/50 | 76.9mg | 31/50 | liv:hpa,hpc. |
| b | c55389 | 25.7mg | 61.2mg | 0/35 | 12.8mg | 2/50 | 25.6mg | 2/50 | 76.9mg | 38/50 | amd:pbb,phm,pob. |
| c | c55389 | 26.6mg | 64.0mg | 0/35 | 12.8mg | 1/50 | 25.6mg | 2/50 | 76.9mg | 38/50 | amd:pbb,pob. S |
| d | c55389 | 25.8mg | 75.3mg | 1/35 | 12.8mg | 3/50 | 25.6mg | 6/50 | 76.9mg | 30/50 | S |
| e | c55389 | 93.8mg | 646.mg | 0/35 | 12.8mg | 1/50 | 25.6mg | 3/50 | 76.9mg | 9/50 | ---:hem,hes. S |
| f | c55389 | 97.8mg | 878.mg | 0/35 | 12.8mg | 1/50 | 25.6mg | 3/50 | 76.9mg | 8/50 | |
| g | c55389 | 29.6mg | n.s.s. | 24/35 | 12.8mg | 29/50 | 25.6mg | 25/50 | 76.9mg | 46/50 | |
| h | c55389 | 24.4mg | 71.6mg | 1/35 | 12.8mg | 4/50 | 25.6mg | 6/50 | 76.9mg | 31/50 | liv:hpa,hpc,nnnd. |
| i | c55389 | 221.mg | n.s.s. | 2/35 | 12.8mg | 3/50 | 25.6mg | 1/50 | 76.9mg | 3/50 | lun:a/a,a/c. |
| 334 | c55389 | 12.4mg | 25.6mg | 0/35 | 11.8mg | 4/50 | 23.7mg | 21/50 | 71.0mg | 44/50 | amd:pbb,pob. S |
| a | c55389 | 12.2mg | 28.2mg | 1/35 | 11.8mg | 4/50 | 23.7mg | 21/50 | 71.0mg | 45/50 | amd:pbb,phm,pmb,pob. |
| b | c55389 | 13.9mg | 72.0mg | 7/35 | 11.8mg | 21/50 | 23.7mg | 27/50 | 71.0mg | 45/50 | amd:pbb,phm,pmb,pob; liv:hpa,hpc. C |
| c | c55389 | 19.2mg | 128.mg | 5/35 | 11.8mg | 13/50 | 23.7mg | 17/50 | 71.0mg | 32/50 | S |
| d | c55389 | 18.8mg | 224.mg | 6/35 | 11.8mg | 19/50 | 23.7mg | 21/50 | 71.0mg | 34/50 | liv:hpa,hpc. |
| e | c55389 | 21.2mg | n.s.s. | 20/35 | 11.8mg | 32/50 | 23.7mg | 33/50 | 71.0mg | 46/50 | |
| f | c55389 | 18.8mg | 224.mg | 6/35 | 11.8mg | 19/50 | 23.7mg | 21/50 | 71.0mg | 34/50 | liv:hpa,hpc,nnnd. |
| g | c55389 | 143.mg | n.s.s. | 5/35 | 11.8mg | 1/50 | 23.7mg | 2/50 | 71.0mg | 5/50 | lun:a/a,a/c. |

| Spe | Strain | Site | Xpo+Xpt | | | | TD50 | 2Tailpvl |
|---|--------|---------|---------|----------|--|--|---------------|---------------|
| Sex | Route | Hist | Notes | | | | DR | AuOp |
| 2,3,4,5,6-PENTACHLOROPHENOL, TECHNICAL GRADE10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | |
| 335 | M f | b6c eat | --- hes | 24m24 | | | 106.mg * | P<.007 p |
| a | M f | b6c eat | MXB MXB | 24m24 | | | 50.4mg * | P<.02 |
| b | M f | b6c eat | liv MXA | 24m24 | | | 90.1mg * | P<.2 p |
| c | M f | b6c eat | TBA MXB | 24m24 | | | 79.3mg / | P<.5 |
| d | M f | b6c eat | liv MXB | 24m24 | | | 90.1mg * | P<.2 |
| e | M f | b6c eat | lun MXB | 24m24 | | | 395.mg * | P<.4 |
| 336 | M m | b6c eat | MXB MXB | 24m24 | | | 10.5mg * | P<.002 |
| a | M m | b6c eat | amd MXA | 24m24 | | | 12.9mg * | P<.0005c |
| b | M m | b6c eat | liv hpa | 24m24 | | | 13.5mg * | P<.002 |
| c | M m | b6c eat | liv MXA | 24m24 | | | 13.7mg * | P<.005 c |
| d | M m | b6c eat | TBA MXB | 24m24 | | | 22.6mg * | P<.2 |
| e | M m | b6c eat | liv MXB | 24m24 | | | 13.7mg * | P<.005 |
| f | M m | b6c eat | lun MXB | 24m24 | | | 154.mg * | P<.5 |
| PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE....100.....1mg.....10.....100.....1g.....10 | | | | | | | | |
| 337 | M f | b6c eat | TBA MXB | 24m24 | | | :no dre | P=1. - |
| a | M f | b6c eat | liv MXB | 24m24 | | | no dre | P=1. |
| b | M f | b6c eat | lun MXB | 24m24 | | | 82.0gm * | P<.5 |
| 338 | M m | b6c eat | TBA MXB | 24m24 | | | no dre | P=1. - |
| a | M m | b6c eat | liv MXB | 24m24 | | | no dre | P=1. |
| b | M m | b6c eat | lun MXB | 24m24 | | | no dre | P=1. |
| 339 | R f | f34 eat | zym MXA | 24m25 | | | : ± 5.03gm * | P<.04 e |
| a | R f | f34 eat | thy MXA | 24m25 | | | 5.80gm * | P<.03 |
| b | R f | f34 eat | zym ade | 24m25 | | | 11.1gm * | P<.1 e |
| c | R f | f34 eat | zym car | 24m25 | | | 9.20gm * | P<.2 e |
| d | R f | f34 eat | TBA MXB | 24m25 | | | 416.mg * | P<.04 |
| e | R f | f34 eat | liv MXB | 24m25 | | | no dre | P=1. |
| 340 | R m | f34 eat | amd phm | 24m25 | | | : 12.2gm * | P<.04 |
| a | R m | f34 eat | zym MXA | 24m25 | | | 13.6gm * | P<.2 e |
| b | R m | f34 eat | zym car | 24m25 | | | 20.6gm * | P<.2 e |
| c | R m | f34 eat | zym ade | 24m25 | | | no dre | P=1. e |
| d | R m | f34 eat | TBA MXB | 24m25 | | | 24.0gm / | P<.1 |
| e | R m | f34 eat | liv MXB | 24m25 | | | no dre | P=1. |
| PENTANAL METHYLFORMYLHYDRAZONE 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | |
| 341 | M f | swa gav | lun mix | 12m33 e | | | 3.12mg | P<.0005+ |
| a | M f | swa gav | lun ade | 12m33 e | | | 5.64mg | P<.0005 |
| b | M f | swa gav | lun adc | 12m33 e | | | 9.29mg | P<.0005 |
| c | M f | swa gav | liv bhp | 12m33 e | | | 11.8mg | P<.003 + |
| 342 | M m | swa gav | lun mix | 12m31 e | | | 3.79mg | P<.0005+ |
| a | M m | swa gav | lun ade | 12m31 e | | | 5.52mg | P<.002 |
| b | M m | swa gav | pre mix | 12m31 e | | | 16.2mg | P<.007 + |
| c | M m | swa gav | lun adc | 12m31 e | | | 11.0mg | P<.02 |
| d | M m | swa gav | pre sqc | 12m31 e | | | 19.8mg | P<.02 |
| e | M m | swa gav | liv hpt | 12m31 e | | | 33.1mg | P<.3 + |
| f | M m | swa gav | pre sqp | 12m31 e | | | 106.mg | P<.3 |
| PHENOBARBITAL*** 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | |
| 343 | M m | chg eat | liv tum | 52w52 r | | | 5.56mg | P<.002 + |
| 344 | M m | chh eat | liv tum | 52w52 r | | | noTD50 | P<.09 |
| 345 | R m | f34 eat | liv mix | 52w52 er | | | no dre | P=1. - |
| PHENYL-beta-NAPHTHYLAMINE*** 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | |
| 346 | M f | b6c eat | kid MXA | 24m24 | | | : 10.8gm * | P<.1 e |
| a | M f | b6c eat | TBA MXB | 24m24 | | | no dre | P=1. |
| b | M f | b6c eat | liv MXB | 24m24 | | | 5.63gm * | P<.4 |
| c | M f | b6c eat | lun MXB | 24m24 | | | no dre | P=1. |
| 347 | M m | b6c eat | sub MXA | 24m24 | | | : ± #2.38gm * | P<.04 - |
| a | M m | b6c eat | TBA MXB | 24m24 | | | 4.51gm * | P<.8 |
| b | M m | b6c eat | liv MXB | 24m24 | | | 1.35gm * | P<.2 |
| c | M m | b6c eat | lun MXB | 24m24 | | | no dre | P=1. |
| 348 | R f | f34 eat | TBA MXB | 24m24 | | | :> | no dre P=1. - |
| a | R f | f34 eat | liv MXB | 24m24 | | | no dre | P=1. |
| 349 | R m | f34 eat | TBA MXB | 24m24 | | | :> | no dre P=1. - |
| a | R m | f34 eat | liv MXB | 24m24 | | | no dre | P=1. |
| PHENYLBUTAZONE 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | |
| 350 | R f | don eat | adr phe | 24m26 e | | | : ± 707.mg * | P<.03 - |
| a | R f | don eat | liv nnd | 24m26 e | | | 1.14gm * | P<.06 - |
| b | R f | don eat | kid tum | 24m26 e | | | no dre | P=1. - |
| c | R f | don eat | tba mix | 24m26 e | | | no dre | P=1. - |
| 351 | R m | don eat | kid tum | 24m26 e | | | :> | no dre P=1. - |
| a | R m | don eat | liv hpc | 24m26 e | | | no dre | P=1. - |
| b | R m | don eat | liv nnd | 24m26 e | | | no dre | P=1. - |
| c | R m | don eat | tba mix | 24m26 e | | | no dre | P=1. - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--|--------|--------|--------|--------|--------|-------|--------|-----------------------|---|
| 2,3,4,5,6-PENTACHLOROPHENOL, TECHNICAL GRADE (penta, PCP) 87-86-5 | | | | | | | | | |
| 335 | c55378 | 49.9mg | 1.32gm | 0/35 | 12.8mg | 3/50 | 25.5mg | 6/50 | |
| a | c55378 | 25.0mg | n.s.s. | 3/35 | 12.8mg | 11/50 | 25.5mg | 14/50 | ---:hes; liv:hpa,hpc. P |
| b | c55378 | 34.1mg | n.s.s. | 3/35 | 12.8mg | 9/50 | 25.5mg | 9/50 | liv:hpa,hpc. |
| c | c55378 | 17.5mg | n.s.s. | 27/35 | 12.8mg | 30/50 | 25.5mg | 37/50 | |
| d | c55378 | 34.1mg | n.s.s. | 3/35 | 12.8mg | 9/50 | 25.5mg | 9/50 | liv:hpa,hpc,nnnd. |
| e | c55378 | 89.9mg | n.s.s. | 1/35 | 12.8mg | 1/50 | 25.5mg | 3/50 | Lun:a/a,a/c. |
| 336 | c55378 | 5.89mg | 51.5mg | 7/35 | 11.8mg | 29/50 | 23.5mg | 41/50 | amd:pbb,pob; liv:hpa,hpc. C |
| a | c55378 | 8.42mg | 24.2mg | 0/35 | 11.8mg | 10/50 | 23.5mg | 23/50 | amd:pbb,pob. S |
| b | c55378 | 7.57mg | 66.9mg | 5/35 | 11.8mg | 20/50 | 23.5mg | 33/50 | |
| c | c55378 | 7.30mg | 123.mg | 7/35 | 11.8mg | 26/50 | 23.5mg | 37/50 | liv:hpa,hpc. |
| d | c55378 | 7.67mg | n.s.s. | 17/35 | 11.8mg | 38/50 | 23.5mg | 45/50 | |
| e | c55378 | 7.30mg | 123.mg | 7/35 | 11.8mg | 26/50 | 23.5mg | 37/50 | liv:hpa,hpc,nnnd. |
| f | c55378 | 36.5mg | n.s.s. | 2/35 | 11.8mg | 2/50 | 23.5mg | 6/50 | Lun:a/a,a/c. |
| PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE (PETN, NF) 78-11-5 | | | | | | | | | |
| 337 | c55743 | 9.43gm | n.s.s. | 37/50 | 3.19gm | 29/50 | 6.38gm | 28/50 | |
| a | c55743 | 13.6gm | n.s.s. | 6/50 | 3.19gm | 2/50 | 6.38gm | 1/50 | liv:hpa,hpc,nnnd. |
| b | c55743 | 17.0gm | n.s.s. | 3/50 | 3.19gm | 3/50 | 6.38gm | 5/50 | Lun:a/a,a/c. |
| 338 | c55743 | 10.4gm | n.s.s. | 36/50 | 2.94gm | 28/50 | 5.89gm | 32/50 | |
| a | c55743 | 14.5gm | n.s.s. | 11/50 | 2.94gm | 11/50 | 5.89gm | 11/50 | liv:hpa,hpc,nnnd. |
| b | c55743 | 9.00gm | n.s.s. | 11/50 | 2.94gm | 8/50 | 5.89gm | 7/50 | Lun:a/a,a/c. |
| 339 | c55743 | 1.66gm | n.s.s. | 0/50 | 304.mg | 1/50 | 616.mg | 3/50 | zym:ade,car. |
| a | c55743 | 1.71gm | n.s.s. | 0/50 | 304.mg | 0/50 | 616.mg | 3/50 | thy:fca,fcc. S |
| b | c55743 | 2.72gm | n.s.s. | 0/50 | 304.mg | 0/50 | 616.mg | 2/50 | |
| c | c55743 | 2.10gm | n.s.s. | 0/50 | 304.mg | 1/50 | 616.mg | 1/50 | |
| d | c55743 | 182.mg | n.s.s. | 46/50 | 304.mg | 47/50 | 616.mg | 50/50 | |
| e | c55743 | n.s.s. | n.s.s. | 0/50 | 304.mg | 0/50 | 616.mg | 0/50 | liv:hpa,hpc,nnnd. |
| 340 | c55743 | 4.24gm | n.s.s. | 0/50 | 981.mg | 2/50 | 1.97gm | 3/50 | S |
| a | c55743 | 4.84gm | n.s.s. | 0/50 | 981.mg | 3/50 | 1.97gm | 2/50 | zym:ade,car. |
| b | c55743 | 7.00gm | n.s.s. | 0/50 | 981.mg | 2/50 | 1.97gm | 2/50 | |
| c | c55743 | n.s.s. | n.s.s. | 0/50 | 981.mg | 1/50 | 1.97gm | 0/50 | |
| d | c55743 | 1.02gm | n.s.s. | 47/50 | 981.mg | 43/50 | 1.97gm | 48/50 | |
| e | c55743 | 11.4gm | n.s.s. | 3/50 | 981.mg | 0/50 | 1.97gm | 1/50 | liv:hpa,hpc,nnnd. |
| PENTANAL METHYLFORMYLHYDRAZONE 57590-20-2 | | | | | | | | | |
| 341 | 1859 | 1.80mg | 6.98mg | 13/50 | 2.58mg | 36/48 | | | |
| a | 1859 | 2.94mg | 22.1mg | 12/50 | 2.58mg | 28/48 | | | |
| b | 1859 | 4.88mg | 26.7mg | 2/50 | 2.58mg | 16/48 | | | |
| c | 1859 | 5.31mg | 52.3mg | 0/23 | 2.58mg | 8/32 | | | |
| 342 | 1859 | 2.04mg | 11.7mg | 11/41 | 2.77mg | 30/44 | | | |
| a | 1859 | 2.84mg | 23.2mg | 8/41 | 2.77mg | 24/44 | | | |
| b | 1859 | 6.61mg | 193.mg | 0/27 | 2.77mg | 6/34 | | | |
| c | 1859 | 4.82mg | n.s.s. | 5/41 | 2.77mg | 15/44 | | | |
| d | 1859 | 7.52mg | n.s.s. | 0/27 | 2.77mg | 5/34 | | | |
| e | 1859 | 5.38mg | n.s.s. | 0/8 | 2.77mg | 1/11 | | | |
| f | 1859 | 17.2mg | n.s.s. | 0/27 | 2.77mg | 1/34 | | | |
| PHENOBARBITAL*** (phenobarbitone) 50-06-6 | | | | | | | | | |
| 343 | 1891 | 2.31mg | 38.5mg | 42/139 | 24.0mg | 14/21 | | | Mizutani;clet,39,233-237;1988 |
| 344 | 1891 | n.s.s. | n.s.s. | 42/56 | 24.0mg | 31/31 | | | |
| 345 | 1834 | 20.6mg | n.s.s. | 0/20 | 20.0mg | 0/20 | | | Leonard;jnci,79,1313-1319;1987/pers.comm. |
| PHENYL-beta-NAPHTHYLAMINE*** (Agerite powder, N-phenyl-2-naphthylamine) 135-88-6 | | | | | | | | | |
| 346 | c02915 | 2.66gm | n.s.s. | 0/50 | 322.mg | 0/50 | 644.mg | 2/50 | kid:tla,uac. |
| a | c02915 | 830.mg | n.s.s. | 42/50 | 322.mg | 23/50 | 644.mg | 33/50 | |
| b | c02915 | 1.41gm | n.s.s. | 4/50 | 322.mg | 3/50 | 644.mg | 7/50 | liv:hpa,hpc,nnnd. |
| c | c02915 | 3.31gm | n.s.s. | 5/50 | 322.mg | 1/50 | 644.mg | 3/50 | Lun:a/a,a/c. |
| 347 | c02915 | 992.mg | n.s.s. | 2/50 | 297.mg | 4/50 | 594.mg | 8/50 | sub:fbs,nfs,srn. S |
| a | c02915 | 437.mg | n.s.s. | 34/50 | 297.mg | 30/50 | 594.mg | 32/50 | |
| b | c02915 | 487.mg | n.s.s. | 11/50 | 297.mg | 16/50 | 594.mg | 17/50 | liv:hpa,hpc,nnnd. |
| c | c02915 | 1.36gm | n.s.s. | 11/50 | 297.mg | 9/50 | 594.mg | 7/50 | Lun:a/a,a/c. |
| 348 | c02915 | 175.mg | n.s.s. | 46/50 | 124.mg | 38/50 | 248.mg | 33/50 | |
| a | c02915 | 3.10gm | n.s.s. | 2/50 | 124.mg | 0/50 | 248.mg | 0/50 | liv:hpa,hpc,nnnd. |
| 349 | c02915 | 108.mg | n.s.s. | 48/50 | 99.0mg | 40/50 | 198.mg | 42/50 | |
| a | c02915 | 1.11gm | n.s.s. | 2/50 | 99.0mg | 3/50 | 198.mg | 0/50 | liv:hpa,hpc,nnnd. |
| PHENYLBUTAZONE 50-33-9 | | | | | | | | | |
| 350 | 1815 | 283.mg | n.s.s. | 4/96 | 59.1mg | 6/50 | 118.mg | 6/42 | |
| a | 1815 | 396.mg | n.s.s. | 2/96 | 59.1mg | 3/50 | 118.mg | 4/42 | Maekawa;jnci,79,577-584;1987/pers.comm. |
| b | 1815 | 427.mg | n.s.s. | 0/96 | 59.1mg | 0/50 | 118.mg | 0/42 | |
| c | 1815 | 151.mg | n.s.s. | 85/96 | 59.1mg | 43/50 | 118.mg | 32/42 | |
| 351 | 1815 | 335.mg | n.s.s. | 0/93 | 47.3mg | 0/47 | 95.4mg | 0/44 | |
| a | 1815 | 335.mg | n.s.s. | 1/93 | 47.3mg | 0/47 | 95.4mg | 0/44 | |
| b | 1815 | 778.mg | n.s.s. | 4/93 | 47.3mg | 0/47 | 95.4mg | 2/44 | |
| c | 1815 | 159.mg | n.s.s. | 69/93 | 47.3mg | 36/47 | 95.4mg | 27/44 | |

| Spe | Strain | Site | Xpo+Xpt | Notes | TD50 | 2Tailpvt |
|--------------------------------|--------|------|---------|-------------------|--------|------------------|
| Sex | Route | Hist | | | DR | AuOp |
| m-PHENYLENEDIAMINE | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 352 | M f | b6c | wat | liv hem 78w84 e | . | > |
| | | | | | 916.mg | * P<.2 - |
| a | M f | b6c | wat | liv hct 78w84 e | no dre | P=1. - |
| b | M f | b6c | wat | liv hnd 78w84 e | no dre | P=1. - |
| c | M f | b6c | wat | liv ade 78w84 e | no dre | P=1. - |
| 353 | M m | b6c | wat | liv hem 78w84 e | . | > |
| | | | | | 2.73gm | * P<.9 - |
| a | M m | b6c | wat | liv hct 78w84 e | no dre | P=1. - |
| b | M m | b6c | wat | liv hnd 78w84 e | no dre | P=1. - |
| c | M m | b6c | wat | liv ade 78w84 e | no dre | P=1. - |
| PROPYL GALLATE*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 354 | R m | f3d | eat | eso tum 52w52 er | . | > |
| | | | | | no dre | P=1. - |
| a | R m | f3d | eat | for tum 52w52 er | no dre | P=1. - |
| b | R m | f3d | eat | liv tum 52w52 er | no dre | P=1. - |
| PROPYLENE*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 355 | M f | swi | inh | lun ade 18m24 | . | 19.8gm * P<.09 - |
| a | M f | swi | inh | liv hpt 18m24 | 286.gm | * P<.6 - |
| b | M f | swi | inh | lun adc 18m24 | 1.17kg | * P<.9 - |
| c | M f | swi | inh | tba mix 18m24 | 10.1gm | * P<.08 - |
| d | M f | swi | inh | tba mal 18m24 | 20.1gm | * P<.3 - |
| 356 | M m | swi | inh | lun ade 18m24 | no dre | P=1. - |
| a | M m | swi | inh | lun adc 18m24 | no dre | P=1. - |
| b | M m | swi | inh | liv hpt 18m24 | no dre | P=1. - |
| c | M m | swi | inh | tba mix 18m24 | no dre | P=1. - |
| d | M m | swi | inh | tba mal 18m24 | no dre | P=1. - |
| 1,2-PROPYLENE OXIDE*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 357 | R f | wsr | inh | mgl fba 29m29 e | . | + |
| | | | | | 92.6mg | * P<.003 + |
| a | R f | wsr | inh | mgl adc 29m29 e | 813.mg | * P<.2 - |
| b | R f | wsr | inh | liv cho 29m29 e | 2.46gm | * P<.5 - |
| c | R f | wsr | inh | res car 29m29 e | no dre | P=1. - |
| d | R f | wsr | inh | tba tum 29m29 e | 25.7mg | * P<.0005 - |
| e | R f | wsr | inh | tba mal 29m29 e | 150.mg | * P<.0005 - |
| 358 | R m | wsr | inh | res car 29m29 e | . | + |
| | | | | | 896.mg | * P<.005 +hist |
| a | R m | wsr | inh | liv nnd 29m29 e | no dre | P=1. - |
| b | R m | wsr | inh | liv clc 29m29 e | no dre | P=1. - |
| c | R m | wsr | inh | tba mal 29m29 e | 101.mg | * P<.002 - |
| d | R m | wsr | inh | tba tum 29m29 e | 79.3mg | Z P<.02 - |
| FD & C RED NO. 3*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 359 | M f | cd1 | eat | tba mix 24m24 e | no dre | P=1. - |
| a | M f | cd1 | eat | tba ben 24m24 e | no dre | P=1. - |
| b | M f | cd1 | eat | tba mal 24m24 e | no dre | P=1. - |
| 360 | M m | cd1 | eat | lcl 24m24 e | . | ± |
| | | | | | 3.14gm | Z P<.02 - |
| a | M m | cd1 | eat | tba mix 24m24 e | 17.0gm | * P<.3 - |
| b | M m | cd1 | eat | tba ben 24m24 e | 25.9gm | * P<.3 - |
| c | M m | cd1 | eat | tba mal 24m24 e | 87.6gm | * P<.8 - |
| RETINOL ACETATE*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 361 | R m | f3d | wat | for neo 52w52 | . | > |
| | | | | | no dre | P=1. - |
| a | R m | f3d | wat | liv tum 52w52 | no dre | P=1. - |
| RETINOL PALMITATE | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 362 | R m | cdr | eat | liv tum 28m28 e | . | > |
| | | | | | no dre | P=1. - |
| ROTENONE*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 363 | M f | b6c | eat | TBA MXB 24m24 | . | > |
| | | | | | no dre | P=1. - |
| a | M f | b6c | eat | liv MXB 24m24 | no dre | P=1. - |
| b | M f | b6c | eat | lun MXB 24m24 | 15.0gm | * P<.1 - |
| 364 | M m | b6c | eat | TBA MXB 24m24 | . | > |
| | | | | | no dre | P=1. - |
| a | M m | b6c | eat | liv MXB 24m24 | no dre | P=1. - |
| b | M m | b6c | eat | lun MXB 24m24 | no dre | P=1. - |
| 365 | R f | f34 | eat | TBA MXB 24m24 | . | > |
| | | | | | no dre | P=1. - |
| a | R f | f34 | eat | liv MXB 24m24 | no dre | P=1. - |
| 366 | R m | f34 | eat | pty adn 24m24 | . | > |
| | | | | | 35.6mg | * P<.3 e |
| a | R m | f34 | eat | TBA MXB 24m24 | no dre | P=1. - |
| b | R m | f34 | eat | liv MXB 24m24 | no dre | P=1. - |
| SALBUTAMOL*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 367 | R f | cdr | eat | meo ley 80w80 ekr | . | + |
| | | | | | 36.3mg | * P<.0005+ |
| STYRENE*** | | | | | | |
| 100ng | ... | 1ug | ... | 10 | ... | 100 |
| 100 | ... | 1mg | ... | 10 | ... | 100 |
| 100 | ... | 1g | ... | 10 | ... | 100 |
| 368 | R f | sda | inh | mam mal 12m24 | . | + |
| | | | | | 57.1mg | * P<.002 + |
| a | R f | sda | inh | mam mix 12m24 | 23.3mg | * P<.02 + |
| b | R f | sda | inh | tba mix 12m24 | 48.7mg | * P<.3 - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code | | | | | | |
|--|--------|--------|--------|--------|--------|--------|----------|-----------------------|---|--------|--|-------|--------|-------|-----------------------------|
| m-PHENYLENEDIAMINE 108-45-2 | | | | | | | | | | | | | | | |
| 352 | 1888 | 277.mg | n.s.s. | 0/50 | 37.1mg | 1/50 | 74.3mg | 2/59 | Amo;fctx,26,893-897;1988 | | | | | | |
| a | 1888 | 175.mg | n.s.s. | 3/50 | 37.1mg | 0/50 | 74.3mg | 0/59 | | | | | | | |
| b | 1888 | 175.mg | n.s.s. | 0/50 | 37.1mg | 0/50 | 74.3mg | 0/59 | | | | | | | |
| c | 1888 | 406.mg | n.s.s. | 4/50 | 37.1mg | 2/50 | 74.3mg | 2/59 | | | | | | | |
| 353 | 1888 | 165.mg | n.s.s. | 4/50 | 31.0mg | 4/50 | 61.9mg | 5/56 | | | | | | | |
| a | 1888 | 112.mg | n.s.s. | 20/50 | 31.0mg | 7/50 | (61.9mg) | 3/56) | | | | | | | |
| b | 1888 | 98.2mg | n.s.s. | 7/50 | 31.0mg | 4/50 | (61.9mg) | 1/56) | | | | | | | |
| c | 1888 | 123.mg | n.s.s. | 8/50 | 31.0mg | 3/50 | (61.9mg) | 1/56) | | | | | | | |
| PROPYL GALLATE*** 121-79-9 | | | | | | | | | | | | | | | |
| 354 | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | Hirose;carc,8,1731-1735;1987/pers.comm. | | | | | | |
| a | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | | | | | | | |
| b | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | | | | | | | |
| PROPYLENE*** 115-07-1 | | | | | | | | | | | | | | | |
| 355 | bt702 | 6.88gm | n.s.s. | 6/100 | 94.7mg | 10/100 | 474.mg | 13/100 | 2.37gm | 15/100 | Ciliberti;anya,534,235-245;1988 | | | | |
| a | bt702 | 30.2gm | n.s.s. | 0/100 | 94.7mg | 1/100 | 474.mg | 0/100 | 2.37gm | 1/100 | | | | | |
| b | bt702 | 34.8gm | n.s.s. | 1/100 | 94.7mg | 1/100 | 474.mg | 0/100 | 2.37gm | 1/100 | | | | | |
| c | bt702 | 3.79gm | n.s.s. | 24/100 | 94.7mg | 34/100 | 474.mg | 31/100 | 2.37gm | 39/100 | | | | | |
| d | bt702 | 5.89gm | n.s.s. | 18/100 | 94.7mg | 20/100 | 474.mg | 19/100 | 2.37gm | 25/100 | | | | | |
| 356 | bt702 | 26.0gm | n.s.s. | 10/100 | 78.9mg | 8/100 | 395.mg | 9/100 | 1.97gm | 3/100 | | | | | |
| a | bt702 | 29.9gm | n.s.s. | 0/100 | 78.9mg | 0/100 | 395.mg | 1/100 | 1.97gm | 0/100 | | | | | |
| b | bt702 | 44.5gm | n.s.s. | 4/100 | 78.9mg | 2/100 | 395.mg | 1/100 | 1.97gm | 0/100 | | | | | |
| c | bt702 | 1.99gm | n.s.s. | 26/100 | 78.9mg | 17/100 | 395.mg | 19/100 | (1.97gm) | 6/100) | | | | | |
| d | bt702 | 2.63gm | n.s.s. | 14/100 | 78.9mg | 11/100 | 395.mg | 10/100 | (1.97gm) | 2/100) | | | | | |
| 1,2-PROPYLENE OXIDE*** (1,2-epoxypropane) 75-56-9 | | | | | | | | | | | | | | | |
| 357 | 1830 | 46.7mg | 602.mg | 32/69 | 5.33mg | 30/71 | 17.8mg | 39/69 | 53.3mg | 47/70 | Kuper;fctx,29,159-167;1988 | | | | |
| a | 1830 | 235.mg | n.s.s. | 3/69 | 5.33mg | 6/71 | 17.8mg | 5/69 | 53.3mg | 8/70 | | | | | |
| b | 1830 | 447.mg | n.s.s. | 2/69 | 5.33mg | 1/71 | 17.8mg | 2/69 | 53.3mg | 3/70 | | | | | |
| c | 1830 | 77.4mg | n.s.s. | 0/69 | 5.33mg | 0/71 | 17.8mg | 0/69 | 53.3mg | 0/70 | | | | | |
| d | 1830 | 14.0mg | 69.4mg | 52/69 | 5.33mg | 49/71 | 17.8mg | 61/69 | 53.3mg | 67/70 | | | | | |
| e | 1830 | 81.1mg | 510.mg | 6/69 | 5.33mg | 15/71 | 17.8mg | 14/69 | 53.3mg | 26/70 | | | | | |
| 358 | 1830 | 310.mg | 7.93gm | 0/70 | 3.73mg | 0/69 | 12.4mg | 0/71 | 37.3mg | 4/70 | | | | | |
| a | 1830 | 604.mg | n.s.s. | 0/70 | 3.73mg | 0/69 | 12.4mg | 1/71 | 37.3mg | 0/70 | | | | | |
| b | 1830 | 630.mg | n.s.s. | 1/70 | 3.73mg | 0/69 | 12.4mg | 2/71 | 37.3mg | 0/70 | | | | | |
| c | 1830 | 51.3mg | 569.mg | 19/70 | 3.73mg | 17/69 | 12.4mg | 22/71 | 37.3mg | 34/70 | | | | | |
| d | 1830 | 35.9mg | n.s.s. | 49/70 | 3.73mg | 28/69 | 12.4mg | 34/71 | 37.3mg | 53/70 | | | | | |
| FD & C RED NO. 3*** (erythrosine) 16423-68-0 | | | | | | | | | | | | | | | |
| 359 | 1811 | 11.7gm | n.s.s. | 67/120 | 3.90gm | 25/60 | | | | | Borzelleca;fctx,25,735-737;1987 | | | | |
| a | 1811 | 14.4gm | n.s.s. | 40/120 | 390.mg | 13/60 | 1.30gm | 9/60 | 3.90gm | 16/60 | | | | | |
| b | 1811 | 16.0gm | n.s.s. | 35/120 | 390.mg | 14/60 | 1.30gm | 17/60 | 3.90gm | 12/60 | | | | | |
| 360 | 1811 | 1.11gm | n.s.s. | 1/120 | 360.mg | 5/60 | (1.20gm) | 2/60 | 3.60gm | 2/60) | | | | | |
| a | 1811 | 4.50gm | n.s.s. | 46/120 | 3.60gm | 28/60 | | | | | | | | | |
| b | 1811 | 7.34gm | n.s.s. | 29/120 | 360.mg | 5/60 | 1.20gm | 12/60 | 3.60gm | 17/60 | | | | | |
| c | 1811 | 9.15gm | n.s.s. | 17/120 | 360.mg | 18/60 | 1.20gm | 12/60 | 3.60gm | 12/60 | | | | | |
| RETINOL ACETATE*** (vitamin A, acetate) 127-47-9 | | | | | | | | | | | | | | | |
| 361 | 1883 | 64.4mg | n.s.s. | 0/10 | 125.mg | 0/10 | | | | | Hasegawa;gann,79,320-328;1988/pers.comm. | | | | |
| a | 1883 | 64.4mg | n.s.s. | 0/10 | 125.mg | 0/10 | | | | | | | | | |
| RETINOL PALMITATE (vitamin A, palmitate) 79-81-2 | | | | | | | | | | | | | | | |
| 362 | 1833 | 16.8mg | n.s.s. | 0/38 | 1.60mg | 0/39 | | | | | Arnold;fctx,23,779-793;1985 | | | | |
| ROTENONE*** (tubatoxin) 83-79-4 | | | | | | | | | | | | | | | |
| 363 | c55210 | 345.mg | n.s.s. | 26/50 | 77.3mg | 16/50 | 155.mg | 22/50 | | | | | | | |
| a | c55210 | 658.mg | n.s.s. | 4/50 | 77.3mg | 3/50 | 155.mg | 4/50 | | | Liv:hpa,hpc,nnd. | | | | |
| b | c55210 | 607.mg | n.s.s. | 4/50 | 77.3mg | 2/50 | 155.mg | 5/50 | | | Lun:a/a,a/c. | | | | |
| 364 | c55210 | 88.4mg | n.s.s. | 25/50 | 71.3mg | 26/50 | (143.mg) | 18/50) | | | | | | | |
| a | c55210 | 139.mg | n.s.s. | 12/50 | 71.3mg | 12/50 | (143.mg) | 1/50) | | | Liv:hpa,hpc,nnd. | | | | |
| b | c55210 | 346.mg | n.s.s. | 6/50 | 71.3mg | 12/50 | 143.mg | 8/50 | | | Lun:a/a,a/c. | | | | |
| 365 | c55210 | 2.86mg | n.s.s. | 45/50 | 1.88mg | 43/50 | 3.71mg | 45/50 | | | | | | | |
| a | c55210 | 36.7mg | n.s.s. | 1/50 | 1.88mg | 0/50 | 3.71mg | 0/50 | | | Liv:hpa,hpc,nnd. | | | | |
| 366 | c55210 | 9.37mg | n.s.s. | 1/50 | 1.51mg | 0/50 | 2.97mg | 4/50 | | | | | | | |
| a | c55210 | 2.98mg | n.s.s. | 48/50 | 1.51mg | 36/50 | 2.97mg | 47/50 | | | | | | | |
| b | c55210 | 12.0mg | n.s.s. | 3/50 | 1.51mg | 1/50 | 2.97mg | 3/50 | | | Liv:hpa,hpc,nnd. | | | | |
| SALBUTAMOL*** 18559-94-9 | | | | | | | | | | | | | | | |
| 367 | 1734m | 17.7mg | 93.4mg | 0/105 | 20.0mg | 10/50 | | | | | Gopinath;enhp,73,107-113;1987/Jack 1983/pers.comm. | | | | |
| STYRENE*** 100-42-5 | | | | | | | | | | | | | | | |
| 368 | bt101 | 28.9mg | 316.mg | 6/60 | 2.66mg | 6/30 | 5.31mg | 4/30 | 10.6mg | 9/30 | 21.2mg | 12/30 | 31.9mg | 9/30 | Conti;anya,534,203-234;1988 |
| a | bt101 | 10.5mg | 8.37gm | 34/60 | 2.66mg | 24/30 | 5.31mg | 21/30 | 10.6mg | 23/30 | 21.2mg | 24/30 | 31.9mg | 25/30 | |
| b | bt101 | 13.0mg | n.s.s. | 43/60 | 2.66mg | 24/30 | 5.31mg | 25/30 | 10.6mg | 26/30 | 21.2mg | 24/30 | 31.9mg | 25/30 | |

| Spe | Strain | Site | Xpo+Xpt | | | | | | | | T050 | 2Tailpvl |
|--|----------------------|----------|---------|---|---|---|---|---|-------|--|---|---------------|
| Sex | Route | Hist | Notes | | | | | | | | DR | AuOp |
| c | R f sda inh tba mal | 12m24 | | | | | | | | | 205.mg | * P<.5 |
| 369 | R f sda gav tba mix | 12m24 | | . | ± | | | | | | 12.0mg | P<.03 |
| a | R f sda gav tba mal | 12m24 | | | | | | | | | no dre | P=1. |
| 370 | R m sda inh tba mix | 12m24 | | . | > | | | | | | 107.mg | * P<.4 |
| a | R m sda inh tba mal | 12m24 | | | | | | | | | no dre | P=1. |
| 371 | R m sda gav tba mix | 12m24 | | | | | | | | | 1.22gm | * P<.7 |
| a | R m sda gav tba mal | 12m24 | | | | | | | | | 1.09gm | * P<.5 |
| STYRENE OXIDE*** | | | | | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 372 | R f sda gav for mix | 12m36 ej | | | | . | + | . | | | 96.5mg | * P<.0005+ |
| a | R f sda gav for sqc | 12m36 ej | | | | | | | | | 102.mg | * P<.0005+ |
| b | R f sda gav for sqn | 12m36 ej | | | | | | | | | 129.mg | * P<.0005+ |
| c | R f sda gav for sqi | 12m36 ej | | | | | | | | | 301.mg | * P<.0005+ |
| d | R f sda gav for ben | 12m36 ej | | | | | | | | | 503.mg | * P<.009 + |
| e | R f sda gav tba mix | 12m36 j | | | | | | | | | 164.mg | * P<.009 |
| f | R f sda gav tba mal | 12m36 j | | | | | | | | | 166.mg | * P<.002 |
| 373 | R m sda gav for sqc | 12m36 ej | | . | + | . | | | | | 63.0mg | P<.0005+ |
| a | R m sda gav for mix | 12m36 ej | | | | | | | | | 99.6mg | * P<.0005+ |
| b | R m sda gav for sqn | 12m36 ej | | | | | | | | | 140.mg | * P<.0005+ |
| c | R m sda gav for sqi | 12m36 ej | | | | | | | | | 267.mg | * P<.004 + |
| d | R m sda gav for ben | 12m36 ej | | | | | | | | | 354.mg | * P<.003 + |
| e | R m sda gav tba mal | 12m36 j | | | | | | | | | 189.mg | * P<.004 |
| f | R m sda gav tba mix | 12m36 j | | | | | | | | | 191.mg | * P<.02 |
| TETRACYCLINE.HCL | | | | | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 374 | M f b6c eat TBA MXB | 24m24 | | | | | | | | | :> | no dre P=1. - |
| a | M f b6c eat liv MXB | 24m24 | | | | | | | | | no dre | P=1. |
| b | M f b6c eat lun MXB | 24m24 | | | | | | | | | 37.2gm | * P<.4 |
| 375 | M m b6c eat TBA MXB | 24m24 | | | | | | | | | :> | no dre P=1. - |
| a | M m b6c eat liv MXB | 24m24 | | | | | | | | | no dre | P=1. |
| b | M m b6c eat lun MXB | 24m24 | | | | | | | | | no dre | P=1. |
| 376 | R f f34 eat TBA MXB | 24m24 | | | | | | | | | :> | no dre P=1. - |
| a | R f f34 eat liv MXB | 24m24 | | | | | | | | | no dre | P=1. |
| 377 | R m f34 eat TBA MXB | 24m24 | | | | | | | | | :> | no dre P=1. - |
| a | R m f34 eat liv MXB | 24m24 | | | | | | | | | 6.09gm | * P<.06 |
| 3,4,5,6-TETRAHYDROURIDINE | | | | | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 378 | R m f34 ipj liv tum | 52w52 e | | | | . | > | | | | no dre | P=1. |
| a | R m f34 ipj tba tum | 52w52 e | | | | | | | | | 15.7mg | P<.6 |
| THIOACETAMIDE*** | | | | | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 379 | R m don eat liv mix | 40w80 er | | . | ± | | | | | | 11.5mg | P<.02 + |
| a | R m don eat liv thc | 40w80 er | | | | | | | | | 21.8mg | P<.08 |
| b | R m don eat liv pac | 40w80 er | | | | | | | | | 27.6mg | P<.2 |
| DL-alpha-TOCOPHEROL | | | | | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 380 | R m f3d eat eso tum | 52w52 er | | | | . | > | | | | no dre | P=1. - |
| a | R m f3d eat for tum | 52w52 er | | | | | | | | | no dre | P=1. - |
| b | R m f3d eat liv tum | 52w52 er | | | | | | | | | no dre | P=1. - |
| TRIBROMOMETHANE | | | | | | | | | | | 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 381 | M f b6c gav MXA MXA | 24m25 s | | | | : | ± | | | | #1.11gm | * P<.04 - |
| a | M f b6c gav TBA MXB | 24m25 s | | | | | | | | | no dre | P=1. |
| b | M f b6c gav liv MXB | 24m25 s | | | | | | | | | 570.mg | * P<.3 |
| c | M f b6c gav lun MXB | 24m25 s | | | | | | | | | no dre | P=1. |
| 382 | M m b6c gav sub MXA | 24m25 | | | | : | ± | | | | #81.9mg | P<.02 - |
| a | M m b6c gav TBA MXB | 24m25 | | | | | | | | | 41.0mg | P<.2 |
| b | M m b6c gav liv MXB | 24m25 | | | | | | | | | 53.6mg | P<.07 |
| c | M m b6c gav lun MXB | 24m25 | | | | | | | | | 2.45gm | P<.1. |
| 383 | R f f34 gav lgi MXA | 24m25 | | | | : | + | : | +hist | | 469.mg | * P<.002 c |
| a | R f f34 gav lgi pla | 24m25 | | | | | | | | | 632.mg | * P<.004 |
| b | R f f34 gav. TBA MXB | 24m25 | | | | | | | | | no dre | P=1. |
| c | R f f34 gav liv MXB | 24m25 | | | | | | | | | 676.mg | * P<.06 |
| 384 | R m f34 gav tes MXA | 24m24 s | | | | : | ± | | | | 75.0mg | * P<.03 |
| a | R m f34 gav thy fcc | 24m24 s | | | | | | | | | 656.mg | * P<.03 |
| b | R m f34 gav lgi MXA | 24m24 s | | | | | | | +hist | | 1.05gm | * P<.02 p |
| c | R m f34 gav TBA MXB | 24m24 s | | | | | | | | | 513.mg | * P<.7 |
| d | R m f34 gav liv MXB | 24m24 s | | | | | | | | | no dre | P=1. |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, TECHNICAL GRADE | | | | | | | | | | |100.....1mg.....10.....100.....1g.....10 | |
| 385 | R f cdr inh pni isa | 24m24 e | | | | | | | | | 160.gm | * P<.005 - |
| 386 | R m cdr inh pni isa | 24m24 e | | | | | | | | | 9.14kg | P<.1. - |
| 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE*** | | | | | | | | | | | ..1ug.....10.....100.....1mg.....10.....100.....1g.....10 | |
| 387 | M f b6c inh liv mix | 24m24 e | | | | | | | | | no dre | P=1. - |
| a | M f b6c inh liv hpc | 24m24 e | | | | | | | | | no dre | P=1. - |
| b | M f b6c inh liv hpa | 24m24 e | | | | | | | | | no dre | P=1. - |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | | | | | | Brkly Code | |
|---|--------|--------|--------|-------|--------|-------|----------|-----------------------|---|-------|---------------------------------|-------|--------|------------|------|
| c | bt101 | 41.7mg | n.s.s. | 16/60 | 2.66mg | 9/30 | 5.31mg | 9/30 | 10.6mg | 13/30 | 21.2mg | 10/30 | 31.9mg | 10/30 | |
| 369 | bt102 | 4.97mg | n.s.s. | 25/40 | 16.1mg | 34/40 | (80.4mg) | 19/40) | | | | | | | |
| a | bt102 | 176.mg | n.s.s. | 9/40 | 16.1mg | 15/40 | 80.4mg | 9/40 | | | | | | | |
| 370 | bt101 | 27.7mg | n.s.s. | 17/60 | 1.86mg | 12/30 | 3.72mg | 6/30 | 7.44mg | 11/30 | 14.9mg | 10/30 | 22.3mg | 12/30 | |
| a | bt101 | 75.8mg | n.s.s. | 10/60 | 1.86mg | 5/30 | 3.72mg | 5/30 | 7.44mg | 8/30 | 14.9mg | 3/30 | 22.3mg | 4/30 | |
| 371 | bt102 | 143.mg | n.s.s. | 9/40 | 16.1mg | 8/40 | 80.4mg | 10/40 | | | | | | | |
| a | bt102 | 206.mg | n.s.s. | 2/40 | 16.1mg | 3/40 | 80.4mg | 4/40 | | | | | | | |
| STYRENE OXIDE*** 96-09-3 | | | | | | | | | | | | | | | |
| 372 | bt105 | 60.6mg | 167.mg | 0/40 | 10.7mg | 7/37 | 53.6mg | 21/38 | Conti;anya,534,203-234;1988/Maltoni | | | | | | 1981 |
| a | bt105 | 63.7mg | 180.mg | 0/40 | 10.7mg | 7/37 | 53.6mg | 20/38 | | | | | | | |
| b | bt105 | 78.0mg | 264.mg | 0/40 | 10.7mg | 7/37 | 53.6mg | 16/38 | | | | | | | |
| c | bt105 | 151.mg | 755.mg | 0/40 | 10.7mg | 1/37 | 53.6mg | 10/38 | | | | | | | |
| d | bt105 | 217.mg | 19.7gm | 0/40 | 10.7mg | 2/37 | 53.6mg | 5/38 | | | | | | | |
| e | bt105 | 74.1mg | 7.47gm | 10/40 | 10.7mg | 16/40 | 53.6mg | 22/40 | | | | | | | |
| f | bt105 | 83.2mg | 771.mg | 7/40 | 10.7mg | 9/40 | 53.6mg | 20/40 | | | | | | | |
| 373 | bt105 | 29.6mg | 184.mg | 0/39 | 10.7mg | 9/39 | (53.6mg) | 16/39) | | | | | | | |
| a | bt105 | 63.2mg | 194.mg | 0/39 | 10.7mg | 10/39 | 53.6mg | 19/39 | | | | | | | |
| b | bt105 | 84.3mg | 284.mg | 0/39 | 10.7mg | 6/39 | 53.6mg | 16/39 | | | | | | | |
| c | bt105 | 141.mg | 2.30gm | 0/39 | 10.7mg | 5/39 | 53.6mg | 8/39 | | | | | | | |
| d | bt105 | 172.mg | 2.23gm | 0/39 | 10.7mg | 3/39 | 53.6mg | 7/39 | | | | | | | |
| e | bt105 | 89.2mg | 1.75gm | 6/40 | 10.7mg | 11/40 | 53.6mg | 18/40 | | | | | | | |
| f | bt105 | 84.0mg | n.s.s. | 9/40 | 10.7mg | 14/40 | 53.6mg | 20/40 | | | | | | | |
| TETRACYCLINE.HCL 64-75-5 | | | | | | | | | | | | | | | |
| 374 | c55561 | 5.96gm | n.s.s. | 35/50 | 1.61gm | 19/50 | 3.22gm | 26/50 | | | | | | | |
| a | c55561 | 36.7gm | n.s.s. | 10/50 | 1.61gm | 0/50 | 3.22gm | 0/50 | | | | | | | |
| b | c55561 | 8.64gm | n.s.s. | 4/50 | 1.61gm | 1/50 | 3.22gm | 7/50 | | | | | | | |
| 375 | c55561 | 3.44gm | n.s.s. | 31/50 | 1.49gm | 23/50 | (2.97gm) | 21/50) | | | | | | | |
| a | c55561 | 8.76gm | n.s.s. | 12/50 | 1.49gm | 12/50 | 2.97gm | 10/50 | | | | | | | |
| b | c55561 | 12.9gm | n.s.s. | 6/50 | 1.49gm | 6/50 | 2.97gm | 4/50 | | | | | | | |
| 376 | c55561 | 712.mg | n.s.s. | 46/50 | 619.mg | 44/50 | (1.24gm) | 41/50) | | | | | | | |
| a | c55561 | 15.0gm | n.s.s. | 1/50 | 619.mg | 0/50 | 1.24gm | 0/50 | | | | | | | |
| 377 | c55561 | 722.mg | n.s.s. | 46/50 | 495.mg | 49/50 | 990.mg | 45/50 | | | | | | | |
| a | c55561 | 2.28gm | n.s.s. | 0/50 | 495.mg | 2/50 | 990.mg | 3/50 | | | | | | | |
| 3,4,5,6-TETRAHYDROURIDINE 18771-50-1 | | | | | | | | | | | | | | | |
| 378 | 1906 | 6.07mg | n.s.s. | 0/49 | 11.8mg | 0/10 | | | Carr;bjca,57,395-402;1988 | | | | | | |
| a | 1906 | 2.06mg | n.s.s. | 10/49 | 11.8mg | 3/10 | | | | | | | | | |
| THIOACETAMIDE*** 62-55-5 | | | | | | | | | | | | | | | |
| 379 | 1836 | 5.38mg | n.s.s. | 0/15 | 7.00mg | 9/41 | | | Kuroda;jnci,79,1047-1051;1987 | | | | | | |
| a | 1836 | 8.28mg | n.s.s. | 0/15 | 7.00mg | 5/41 | | | | | | | | | |
| b | 1836 | 9.55mg | n.s.s. | 0/15 | 7.00mg | 4/41 | | | | | | | | | |
| DL-alpha-TOCOPHEROL (vitamin E) 10191-41-0 | | | | | | | | | | | | | | | |
| 380 | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | Hirose;carc,8,1731-1735;1987/pers.comm. | | | | | | |
| a | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | | | | | | | |
| b | 1900 | 206.mg | n.s.s. | 0/10 | 400.mg | 0/10 | | | | | | | | | |
| TRIBROMOMETHANE (bromoform) 75-25-2 | | | | | | | | | | | | | | | |
| 381 | c55130 | 311.mg | n.s.s. | 0/50 | 69.4mg | 0/50 | 140.mg | 3/50 | | | | | | | |
| a | c55130 | 109.mg | n.s.s. | 24/50 | 69.4mg | 18/50 | 140.mg | 18/50 | | | | | | | |
| b | c55130 | 152.mg | n.s.s. | 4/50 | 69.4mg | 6/50 | 140.mg | 6/50 | | | | | | | |
| c | c55130 | 349.mg | n.s.s. | 3/50 | 69.4mg | 1/50 | 140.mg | 2/50 | | | | | | | |
| 382 | c55130 | 28.0mg | 17.5gm | 2/50 | 34.9mg | 8/50 | (69.7mg) | 4/50) | | | | | | | |
| a | c55130 | 13.8mg | n.s.s. | 34/50 | 34.9mg | 33/50 | (69.7mg) | 27/50) | | | | | | | |
| b | c55130 | 18.1mg | n.s.s. | 16/50 | 34.9mg | 19/50 | (69.7mg) | 14/50) | | | | | | | |
| c | c55130 | 44.0mg | n.s.s. | 11/50 | 34.9mg | 7/50 | (69.7mg) | 2/50) | | | | | | | |
| 383 | c55130 | 219.mg | 1.55gm | 0/50 | 69.4mg | 1/50 | 139.mg | 8/50 | | | | | | | |
| a | c55130 | 270.mg | 3.60gm | 0/50 | 69.4mg | 1/50 | 139.mg | 6/50 | | | | | | | |
| b | c55130 | 104.mg | n.s.s. | 47/50 | 69.4mg | 37/50 | 139.mg | 38/50 | | | | | | | |
| c | c55130 | 276.mg | n.s.s. | 0/50 | 69.4mg | 4/50 | 139.mg | 2/50 | | | | | | | |
| 384 | c55130 | 33.3mg | n.s.s. | 46/50 | 69.7mg | 45/50 | 140.mg | 37/50 | | | | | | | |
| a | c55130 | 237.mg | n.s.s. | 0/50 | 69.7mg | 3/50 | 140.mg | 2/50 | | | | | | | |
| b | c55130 | 298.mg | n.s.s. | 0/50 | 69.7mg | 0/50 | 140.mg | 3/50 | | | | | | | |
| c | c55130 | 71.8mg | n.s.s. | 45/50 | 69.7mg | 37/50 | 140.mg | 25/50 | | | | | | | |
| d | c55130 | 541.mg | n.s.s. | 5/50 | 69.7mg | 2/50 | 140.mg | 1/50 | | | | | | | |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, TECHNICAL GRADE (fluorocarbon 113) 76-13-1 | | | | | | | | | | | | | | | |
| 385 | 1876 | 60.9gm | 1.25kg | 0/85 | 1.15gm | 0/36 | 5.74gm | 0/30 | 11.5gm | 5/86 | Trochimowicz;faat,11,68-75;1988 | | | | |
| 386 | 1876 | 95.1gm | n.s.s. | 2/88 | 803.mg | 1/64 | 4.02gm | 0/58 | 8.03gm | 2/87 | | | | | |
| 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE*** (methyl chloroform) 71-55-6 | | | | | | | | | | | | | | | |
| 387 | 1892 | 11.4gm | n.s.s. | 13/50 | 257.mg | 10/50 | 858.mg | 10/50 | 2.57gm | 7/50 | Quast;faat,11,611-625;1988 | | | | |
| a | 1892 | 13.2gm | n.s.s. | 4/50 | 257.mg | 1/50 | 858.mg | 5/50 | 2.57gm | 2/50 | | | | | |
| b | 1892 | 14.2gm | n.s.s. | 10/50 | 257.mg | 9/50 | 858.mg | 5/50 | 2.57gm | 5/50 | | | | | |

| ID | Sex | Strain | Site | Route | Hist | Xpo+Xpt | Notes | | TD50 | 2Tail pvl | | |
|---|-----|--------|------|-------|------|---------|---------|---|-----------|-----------|------|--|
| | | | | | | | | | | DR | AuOp | |
| 388 | M | m | b6c | inh | liv | hpc | 24m24 e | . | 66.3gm * | P<.9 | - | |
| a | M | m | b6c | inh | liv | hpa | 24m24 e | | no dre | P=1. | - | |
| b | M | m | b6c | inh | liv | mix | 24m24 e | | no dre | P=1. | - | |
| 389 | R | f | f34 | inh | liv | hpc | 24m24 e | . | no dre | P=1. | - | |
| a | R | f | f34 | inh | liv | nnd | 24m24 e | | no dre | P=1. | - | |
| 390 | R | m | f34 | inh | liv | hpc | 24m24 e | . | 2.07gm Z | P<.03 | - | |
| a | R | m | f34 | inh | liv | nnd | 24m24 e | ± | 5.12gm * | P<.09 | - | |
| TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN)*10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | | | |
| 391 | M | f | b6c | gav | liv | MXA | 24m24 | : | 411.mg | P<.0005c | | |
| a | M | f | b6c | gav | liv | hpa | 24m24 | + | 579.mg | P<.0005c | | |
| b | M | f | b6c | gav | liv | hpc | 24m24 | : | 673.mg | P<.0005c | | |
| c | M | f | b6c | gav | lun | a/a | 24m24 | : | 2.78gm | P<.009 | | |
| d | M | f | b6c | gav | MXA | MXA | 24m24 | : | 1.35gm | P<.03 | | |
| e | M | f | b6c | gav | MXA | MXA | 24m24 | : | 1.47gm | P<.04 | | |
| f | M | f | b6c | gav | mul | mlp | 24m24 | : | 4.88gm | P<.04 | | |
| g | M | f | b6c | gav | TBA | MXB | 24m24 | : | 359.mg | P<.0005 | | |
| h | M | f | b6c | gav | liv | MXB | 24m24 | : | 411.mg | P<.0005 | | |
| i | M | f | b6c | gav | lun | MXB | 24m24 | : | 3.85gm | P<.1 | | |
| 392 | M | m | b6c | gav | liv | MXA | 24m24 | : | 239.mg | P<.0005 | | |
| a | M | m | b6c | gav | liv | hpc | 24m24 | + | 294.mg | P<.0005c | | |
| b | M | m | b6c | gav | liv | hpa | 24m24 | : | 855.mg | P<.006 | | |
| c | M | m | b6c | gav | hag | MXA | 24m24 | : | 3.83gm | P<.02 | | |
| d | M | m | b6c | gav | TBA | MXB | 24m24 | : | 332.mg | P<.002 | | |
| e | M | m | b6c | gav | liv | MXB | 24m24 | : | 239.mg | P<.0005 | | |
| f | M | m | b6c | gav | lun | MXB | 24m24 | : | 4.25gm | P<.5 | | |
| 393 | R | f | f34 | gav | TBA | MXB | 24m24 | : | 5.71gm * | P<.9 | - | |
| a | R | f | f34 | gav | liv | MXB | 24m24 | > | 9.98gm * | P<.2 | | |
| 394 | R | m | f34 | gav | kid | MXA | 24m24 s | : | #2.78gm * | P<.009 | | |
| a | R | m | f34 | gav | per | MXA | 24m24 s | + | 1.49gm | P<.04 | | |
| b | R | m | f34 | gav | per | msm | 24m24 s | : | 1.49gm | P<.04 | | |
| c | R | m | f34 | gav | kid | uac | 24m24 s | : | 3.92gm * | P<.02 | | |
| d | R | m | f34 | gav | TBA | MXB | 24m24 s | : | 2.24gm * | P<.6 | | |
| e | R | m | f34 | gav | liv | MXB | 24m24 s | : | 12.2gm * | P<.2 | | |
| 395 | R | f | aci | gav | TBA | MXB | 24m24 s | : | 61.7gm * | P<.1 | | |
| a | R | f | aci | gav | liv | MXB | 24m24 s | > | no dre | P=1. | | |
| 396 | R | m | aci | gav | TBA | MXB | 24m24 s | : | 820.mg * | P<.4 | | |
| a | R | m | aci | gav | liv | MXB | 24m24 s | > | 9.40gm * | P<.5 | | |
| 397 | R | f | aug | gav | TBA | MXB | 24m24 | : | no dre | P=1. | | |
| a | R | f | aug | gav | liv | MXB | 24m24 | > | no dre | P=1. | | |
| 398 | R | m | aug | gav | sub | MXA | 24m24 | : | #3.73gm * | P<.03 | | |
| a | R | m | aug | gav | TBA | MXB | 24m24 | ± | no dre | P=1. | | |
| b | R | m | aug | gav | liv | MXB | 24m24 | : | 6.44gm * | P<.2 | | |
| 399 | R | f | mar | gav | TBA | MXB | 24m24 s | : | 709.mg * | P<.3 | | |
| a | R | f | mar | gav | liv | MXB | 24m24 s | > | no dre | P=1. | | |
| 400 | R | m | mar | gav | tes | MXA | 24m24 s | : | #153.mg * | P<.0005 | | |
| a | R | m | mar | gav | TBA | MXB | 24m24 s | + | 199.mg * | P<.002 | | |
| b | R | m | mar | gav | liv | MXB | 24m24 s | : | no dre | P=1. | | |
| 401 | R | f | osm | gav | adr | coa | 24m24 s | : | #556.mg * | P<.04 | | |
| a | R | f | osm | gav | TBA | MXB | 24m24 s | ± | 372.mg * | P<.07 | | |
| b | R | f | osm | gav | liv | MXB | 24m24 s | : | 3.50gm * | P<.05 | | |
| 402 | R | m | osm | gav | kid | tla | 24m24 | : | #628.mg | P<.003 | | |
| a | R | m | osm | gav | kid | MXA | 24m24 | + | 628.mg | P<.003 | | |
| b | R | m | osm | gav | TBA | MXB | 24m24 | : | 1.49gm * | P<.6 | | |
| c | R | m | osm | gav | liv | MXB | 24m24 | : | 8.95gm * | P<.5 | | |
| TRICHLOROFUOROMETHANE*** 100ng.....1ug.....10.....100.....1mg.....10.....100.....1g.....10 | | | | | | | | | | | | |
| 403 | M | f | swi | inh | mam | car | 18m24 | : | 31.6gm * | P<.01 | - | |
| a | M | f | swi | inh | --- | leu | 18m24 | : | 23.7gm * | P<.09 | - | |
| b | M | f | swi | inh | lun | ade | 18m24 | : | 34.9gm * | P<.06 | - | |
| c | M | f | swi | inh | tba | mix | 18m24 | : | 11.1gm * | P<.02 | - | |
| d | M | f | swi | inh | tba | mal | 18m24 | : | 14.6gm * | P<.02 | - | |
| 404 | M | m | swi | inh | lun | ade | 18m24 | : | no dre | P=1. | - | |
| a | M | m | swi | inh | tba | mal | 18m24 | : | 7.54gm | P<.2 | - | |
| b | M | m | swi | inh | tba | mix | 18m24 | : | 13.4gm | P<.6 | - | |
| 405 | M | m | swi | inh | lun | ade | 18m24 | : | no dre | P=1. | - | |
| a | M | m | swi | inh | tba | mix | 18m24 | : | no dre | P=1. | - | |
| b | M | m | swi | inh | tba | mal | 18m24 | : | no dre | P=1. | - | |
| 406 | R | f | sda | inh | liv | ang | 24m24 | : | no dre | P=1. | - | |
| a | R | f | sda | inh | tba | mix | 24m24 | : | no dre | P=1. | - | |
| b | R | f | sda | inh | tba | mal | 24m24 | : | no dre | P=1. | - | |
| 407 | R | m | sda | inh | liv | ang | 24m24 | : | no dre | P=1. | - | |
| a | R | m | sda | inh | tba | mix | 24m24 | . | 631.mg | P<.06 | - | |
| b | R | m | sda | inh | tba | mal | 24m24 | > | no dre | P=1. | - | |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|--|--------|--------|--------|---------|--------|----------------|--------|--|--------------|
| 388 | 1892 | 4.67gm | n.s.s. | 12/50 | 214.mg | 10/50 | 715.mg | 12/50 2.14gm | 12/50 |
| a | 1892 | 5.83gm | n.s.s. | 26/50 | 214.mg | 13/50 | 715.mg | 19/50 2.14gm | 16/50 |
| b | 1892 | 3.43gm | n.s.s. | 29/50 | 214.mg | 22/50 | 715.mg | 28/50 2.14gm | 24/50 |
| 389 | 1892 | 451.mg | n.s.s. | 1/50 | 61.3mg | 0/50 | 204.mg | 0/50 613.mg | 0/50 |
| a | 1892 | 7.94gm | n.s.s. | 1/50 | 61.3mg | 1/50 | 204.mg | 0/50 613.mg | 0/50 |
| 390 | 1892 | 627.mg | n.s.s. | 0/50 | 42.9mg | 0/50 | 143.mg | 3/50 (429.mg) | 0/50 |
| a | 1892 | 1.57gm | n.s.s. | 1/50 | 42.9mg | 1/50 | 143.mg | 1/50 429.mg | 4/50 |
| TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN)* (TCE. c04547 is NTP TR# 243; 04546 (b,d,e & f) are NTP TR# 273) 79-01-6 | | | | | | | | | |
| 391 | c04547 | 215.mg | 1.10gm | 6/50 | 704.mg | 22/50 | | | liv:hpa,hpc. |
| a | c04547 | 283.mg | 1.89gm | 4/50 | 704.mg | 16/50 | | | |
| b | c04547 | 314.mg | 2.22gm | 2/50 | 704.mg | 13/50 | | | |
| c | c04547 | 877.mg | 81.4gm | 0/50 | 704.mg | 4/50 | | | S |
| d | c04547 | 538.mg | n.s.s. | 7/50 | 704.mg | 14/50 | | liv:mlh; mul:mlh,mlm,mlp,mlu,mno,myo; spl:mno. | S |
| e | c04547 | 558.mg | n.s.s. | 7/50 | 704.mg | 13/50 | | liv:mlh; mul:mlh,mlm,mlp,mlu,mno; spl:mno. | S |
| f | c04547 | 1.48gm | n.s.s. | 0/50 | 704.mg | 3/50 | | | S |
| g | c04547 | 187.mg | 1.19gm | 21/50 | 704.mg | 38/50 | | | |
| h | c04547 | 215.mg | 1.10gm | 6/50 | 704.mg | 22/50 | | liv:hpa,hpc,nnnd. | |
| i | c04547 | 1.04gm | n.s.s. | 1/50 | 704.mg | 4/50 | | lun:a/a,a/c. | |
| 392 | c04547 | 134.mg | 539.mg | 14/50 | 701.mg | 39/50 | | | liv:hpa,hpc. |
| a | c04547 | 163.mg | 672.mg | 8/50 | 701.mg | 31/50 | | | |
| b | c04547 | 365.mg | 11.6gm | 7/50 | 701.mg | 14/50 | | | S |
| c | c04547 | 1.29gm | n.s.s. | 0/50 | 701.mg | 4/50 | | hag:adn,ana,ppa. | S |
| d | c04547 | 165.mg | 1.55gm | 33/50 | 701.mg | 45/50 | | | |
| e | c04547 | 134.mg | 539.mg | 14/50 | 701.mg | 39/50 | | liv:hpa,hpc,nnnd. | |
| f | c04547 | 744.mg | n.s.s. | 7/50 | 701.mg | 6/50 | | lun:a/a,a/c. | |
| 393 | c04547 | 486.mg | n.s.s. | 38/50 | 354.mg | 31/50 714.mg | 30/50 | | |
| a | c04547 | 2.46gm | n.s.s. | 0/50 | 354.mg | 1/50 714.mg | 1/50 | liv:hpa,hpc,nnnd. | |
| 394 | c04547 | 1.03gm | 116.gm | 0/50 | 357.mg | 2/50 714.mg | 3/50 | kid:tla,uac. | S |
| a | c04547 | 497.mg | n.s.s. | 1/50 | 357.mg | 5/50 (714.mg) | 1/50 | per:men,msm. | S |
| b | c04547 | 497.mg | n.s.s. | 1/50 | 357.mg | 5/50 (714.mg) | 0/50 | | S |
| c | c04547 | 1.19gm | n.s.s. | 0/50 | 357.mg | 0/50 714.mg | 3/50 | | S |
| d | c04547 | 392.mg | n.s.s. | 33/50 | 357.mg | 26/50 714.mg | 18/50 | | |
| e | c04547 | 1.99gm | n.s.s. | 0/50 | 357.mg | 0/50 714.mg | 1/50 | liv:hpa,hpc,nnnd. | |
| 395 | d04546 | 461.mg | n.s.s. | 33/50 | 349.mg | 21/50 707.mg | 18/50 | | |
| a | d04546 | 4.26gm | n.s.s. | 2/50 | 349.mg | 0/50 707.mg | 0/50 | liv:hpa,hpc,nnnd. | |
| 396 | d04546 | 198.mg | n.s.s. | 44/50 | 354.mg | 27/50 707.mg | 17/50 | | |
| a | d04546 | 1.47gm | n.s.s. | 1/50 | 354.mg | 1/50 707.mg | 1/50 | liv:hpa,hpc,nnnd. | |
| 397 | e04546 | 660.mg | n.s.s. | 43/50 | 354.mg | 35/50 707.mg | 29/50 | | |
| a | e04546 | 5.95gm | n.s.s. | 2/50 | 354.mg | 0/50 707.mg | 0/50 | liv:hpa,hpc,nnnd. | |
| 398 | e04546 | 1.24gm | n.s.s. | 0/50 | 354.mg | 1/50 707.mg | 3/50 | sub:spm,srn. | S |
| a | e04546 | 347.mg | n.s.s. | 45/50 | 354.mg | 32/50 707.mg | 27/50 | | |
| b | e04546 | 1.55gm | n.s.s. | 0/50 | 354.mg | 1/50 707.mg | 1/50 | liv:hpa,hpc,nnnd. | |
| 399 | b04546 | 196.mg | n.s.s. | 47/50 | 354.mg | 32/50 707.mg | 22/50 | | |
| a | b04546 | n.s.s. | n.s.s. | 0/50 | 354.mg | 0/50 707.mg | 0/50 | liv:hpa,hpc,nnnd. | |
| 400 | b04546 | 90.6mg | 316.mg | 17/50 | 354.mg | 21/50 707.mg | 32/50 | tes:ict,itm. | S |
| a | b04546 | 101.mg | 906.mg | 38/50 | 354.mg | 23/50 707.mg | 32/50 | | |
| b | b04546 | n.s.s. | n.s.s. | 0/50 | 354.mg | 0/50 707.mg | 0/50 | liv:hpa,hpc,nnnd. | |
| 401 | f04546 | 217.mg | n.s.s. | 16/50 | 354.mg | 13/50 711.mg | 19/50 | | S |
| a | f04546 | 143.mg | n.s.s. | 40/50 | 354.mg | 36/50 711.mg | 37/50 | | |
| b | f04546 | 839.mg | n.s.s. | 0/50 | 354.mg | 0/50 711.mg | 2/50 | liv:hpa,hpc,nnnd. | |
| 402 | f04546 | 253.mg | 3.23gm | 0/50 | 354.mg | 6/50 (707.mg) | 1/50 | | S |
| a | f04546 | 253.mg | 3.23gm | 0/50 | 354.mg | 6/50 (707.mg) | 2/50 | kid:tla,uac. | S |
| b | f04546 | 257.mg | n.s.s. | 37/50 | 354.mg | 35/50 707.mg | 29/50 | | |
| c | f04546 | 1.46gm | n.s.s. | 1/50 | 354.mg | 0/50 707.mg | 2/50 | liv:hpa,hpc,nnnd. | |
| TRICHLOROFLUOROMETHANE*** (fluorocarbon 11) 75-69-4 | | | | | | | | | |
| 403 | bt604m | 12.6gm | 4.71kg | 1/90 | 883.mg | 2/60 4.42gm | 6/60 | Maltoni;anya,534,261-282;1988 | |
| a | bt604m | 8.28gm | n.s.s. | 8/90 | 883.mg | 10/60 4.42gm | 12/60 | | |
| b | bt604m | 12.1gm | n.s.s. | 2/90 | 883.mg | 4/60 4.42gm | 6/60 | | |
| c | bt604m | 4.82gm | n.s.s. | 15/90 | 883.mg | 20/60 4.42gm | 22/60 | | |
| d | bt604m | 6.27gm | n.s.s. | 9/90 | 883.mg | 12/60 4.42gm | 16/60 | | |
| 404 | bt604m | 9.10gm | n.s.s. | 3/90 | 736.mg | 0/60 | | | |
| a | bt604m | 2.11gm | n.s.s. | 5/90 | 736.mg | 7/60 | | | |
| b | bt604m | 2.23gm | n.s.s. | 9/90 | 736.mg | 8/60 | | | |
| 405 | bt604n | 32.9gm | n.s.s. | 4/90 | 3.68gm | 1/60 | | | |
| a | bt604n | 30.7gm | n.s.s. | 9/90 | 3.68gm | 2/60 | | | |
| b | bt604n | 35.1gm | n.s.s. | 6/90 | 3.68gm | 1/60 | | | |
| 406 | bt603 | 20.8gm | n.s.s. | 1/150 | 280.mg | 2/90 1.40gm | 0/90 | | |
| a | bt603 | 1.77gm | n.s.s. | 124/150 | 280.mg | 65/90 1.40gm | 70/90 | | |
| b | bt603 | 9.88gm | n.s.s. | 43/150 | 280.mg | 23/90 1.40gm | 15/90 | | |
| 407 | bt603 | 3.03gm | n.s.s. | 1/150 | 196.mg | 0/90 981.mg | 0/90 | | |
| a | bt603 | 252.mg | n.s.s. | 51/150 | 196.mg | 42/90 (981.mg) | 25/90 | | |
| b | bt603 | 6.05gm | n.s.s. | 25/150 | 196.mg | 16/90 981.mg | 11/90 | | |

| RefNum | LoConf | UpConf | Cntrl | 1Dose | 1Inc | 2Dose | 2Inc | Citation or Pathology | Brkly Code |
|---|--------|--------|--------|--------|--------|-------|-----------------------------|---------------------------------|------------|
| VINYL CHLORIDE*** 75-01-4 | | | | | | | | | |
| 408 | bt4001 | 192.mg | 496.mg | 0/60 | 392.mg | 32/54 | | Maltoni;anya,534,145-159;1988 | |
| a | bt4001 | 242.mg | 671.mg | 0/60 | 392.mg | 27/54 | | | |
| b | bt4001 | 1.05gm | 29.9gm | 0/60 | 392.mg | 5/54 | | | |
| c | bt4001 | 47.0mg | 151.mg | 9/60 | 392.mg | 52/54 | | | |
| d | bt4001 | 53.6mg | 270.mg | 35/60 | 392.mg | 52/54 | | | |
| FD & C YELLOW NO. 5*** (tartrazine) 1934-21-0 | | | | | | | | | |
| 409 | 1869 | 616.mg | 5.36gm | 3/120 | 650.mg | 8/28 | (1.95gm 4/30 6.50gm 2/60) | Borzelleca;fctx,26,189-194;1988 | |
| a | 1869 | 40.6gm | n.s.s. | 1/120 | 650.mg | 0/28 | 1.95gm 0/30 6.50gm 2/60 | | |
| b | 1869 | 53.6gm | n.s.s. | 3/120 | 650.mg | 0/28 | 1.95gm 1/30 6.50gm 1/60 | | |
| c | 1869 | 44.4gm | n.s.s. | 29/120 | 650.mg | 7/28 | 1.95gm 7/30 6.50gm 6/60 | | |
| d | 1869 | 46.9gm | n.s.s. | 3/120 | 650.mg | 1/28 | 1.95gm 2/30 6.50gm 1/60 | | |
| e | 1869 | 813.mg | 4.84gm | 34/120 | 650.mg | 15/28 | 1.95gm 20/30 (6.50gm 15/60) | | |
| f | 1869 | 32.4gm | n.s.s. | 52/120 | 650.mg | 14/28 | 1.95gm 10/30 6.50gm 15/60 | | |
| 410 | 1869 | 732.mg | n.s.s. | 7/120 | 600.mg | 6/27 | (1.80gm 3/33 6.00gm 2/60) | | |
| a | 1869 | 3.96gm | n.s.s. | 2/120 | 600.mg | 1/27 | 1.80gm 4/33 (6.00gm 3/60) | | |
| b | 1869 | 10.3gm | n.s.s. | 23/120 | 600.mg | 11/27 | 1.80gm 11/33 6.00gm 17/60 | | |
| c | 1869 | 14.8gm | n.s.s. | 9/120 | 600.mg | 4/27 | 1.80gm 7/33 6.00gm 8/60 | | |
| d | 1869 | 73.5gm | n.s.s. | 3/120 | 600.mg | 0/27 | 1.80gm 1/33 6.00gm 0/60 | | |
| e | 1869 | 182.mg | 1.36gm | 43/120 | 600.mg | 21/27 | (1.80gm 13/33 6.00gm 22/60) | | |
| f | 1869 | 961.mg | 5.11gm | 27/120 | 600.mg | 6/27 | 1.80gm 22/33 (6.00gm 20/60) | | |
| 411 | 1857 | 1.98gm | n.s.s. | 5/47 | 531.mg | 13/50 | 1.06gm 10/49 | Maekawa;fctx,25,891-896;1987 | |
| a | 1857 | 9.15gm | n.s.s. | 1/47 | 531.mg | 1/50 | 1.06gm 1/49 | | |
| b | 1857 | 2.13gm | n.s.s. | 39/47 | 531.mg | 41/50 | 1.06gm 30/49 | | |
| 412 | 1857 | 1.15gm | 18.3gm | 0/48 | 464.mg | 6/49 | (929.mg 0/49) | | |
| a | 1857 | 8.82gm | n.s.s. | 0/48 | 464.mg | 1/49 | 929.mg 0/49 | | |
| b | 1857 | 9.84gm | n.s.s. | 3/48 | 464.mg | 3/49 | 929.mg 0/49 | | |
| c | 1857 | n.s.s. | n.s.s. | 47/48 | 464.mg | 49/49 | 929.mg 49/49 | | |

APPENDIX 1: CHEMICAL NAMES AND SYNONYMS IN THIS PLOT

| CAS NUMBER | CHEMICAL NAME | CAS NUMBER | CHEMICAL NAME |
|------------|--|------------|--|
| 75-07-0 | ACETALDEHYDE | 121-69-7 | N,N-DIMETHYLANILINE |
| 107-29-9 | ACETALDOXIME | 62-75-9 | DIMETHYLNITROSAMINE (see N-NITROSODIMETHYLAMINE) |
| 53-96-3 | 2-ACETYLAMINOFLUORENE | 62-75-9 | N,N-DIMETHYLNITROSAMINE (see N-NITROSODIMETHYLAMINE) |
| --- | L-alpha-ACETYLMETHADOL.HCl (see 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCl) | 121-14-2 | 2,4-DINITROTOLUENE (PURIFIED) |
| 107-02-8 | ACROLEIN | 606-20-2 | 2,6-DINITROTOLUENE |
| 3054-95-3 | ACROLEIN DIETHYLACETAL | --- | DINITROTOLUENE, TECHNICAL GRADE (2,4 (77%) and 2,6 (19%)) |
| 5314-33-0 | ACROLEIN OXIME | 13256-06-9 | DIPENTYLNITROSAMINE |
| 107-13-1 | ACRYLONITRILE | 147-24-0 | DIPHENHYDRAMINE.HCl |
| 1162-65-8 | AFLATOXIN B1 | 57-41-0 | 5,5-DIPHENYLHYDANTOIN |
| 135-88-6 | AGERITE POWDER (see PHENYL-beta-NAPHTHYLAMINE) | 756-79-6 | DMMP (see DIMETHYL METHYLPHOSPHONATE) |
| 107-18-6 | ALLYL ALCOHOL | 62-75-9 | DMN (see N-NITROSODIMETHYLAMINE) |
| 77500-04-0 | 2-AMINO-3,8-DIMETHYLMIDAZO[4,5-f]QUINOXALINE | 87-86-5 | DOWICIDE 7 (see 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)) |
| 99-57-0 | 2-AMINO-4-NITROPHENOL | 87-86-5 | DOWICIDE EC-7 (see 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)) |
| 121-88-0 | 2-AMINO-5-NITROPHENOL | 75-21-8 | EO (see ETHYLENE OXIDE) |
| --- | 4-(2-AMINOETHYL)-6-DIAZO-2,4-CYCLOHEXADIENONE.HCl (see 3-DIAZOTYRAMINE.HCl) | 106-88-7 | 1,2-EPOXYBUTANE |
| 134-03-2 | L-ASCORBATE, SODIUM | 75-56-9 | 1,2-EPOXYPROPANE (see 1,2-PROPYLENE OXIDE) |
| 34031-32-8 | AURANOFIN | 643-22-1 | ERYTHROMYCIN STEARATE |
| 320-67-2 | 5-AZACYTIDINE | 16423-68-0 | ERYTHROSINE (see FD & C RED NO. 3) |
| 3131-60-0 | 6-AZACYTIDINE | 91-53-2 | ETHOXYQUIN |
| 25843-45-2 | AZOXYMETHANE | 74-96-4 | ETHYL BROMIDE (see BROMOETHANE) |
| 17697-55-1 | 1-AZOXYPROPANE | 75-00-3 | ETHYL CHLORIDE (see CHLOROETHANE) |
| 17697-53-9 | 2-AZOXYPROPANE | 75-21-8 | ETHYLENE OXIDE |
| 147-24-0 | BENADRYL (see DIPHENHYDRAMINE.HCl) | 117-81-7 | DI(2-ETHYLHEXYL)PHTHALATE |
| 71-43-2 | BENZENE | 297-76-7 | ETHYNODIOL DIACETATE |
| 271-89-6 | BENZOFURAN | 53-96-3 | FLUORENYLACETAMIDE (see 2-ACETYLAMINOFLUORENE) |
| 100-51-6 | BENZYL ALCOHOL | 53-96-3 | N-2-FLUORENYLACETAMIDE (see 2-ACETYLAMINOFLUORENE) |
| 25013-16-5 | BHA (see BUTYLATED HYDROXYANISOLE) | 75-69-4 | FLUOROCARBON 11 (see TRICHLOROFLUOROMETHANE) |
| 128-37-0 | BHT (see BUTYLATED HYDROXYTOLUENE) | 75-71-8 | FLUOROCARBON 12 (see DICHLORODIFLUOROMETHANE) |
| 2784-94-3 | HC BLUE NO. 1 | 75-45-6 | FLUOROCARBON 22 (see CHLORODIFLUOROMETHANE) |
| 2784-94-3 | HC BLUE NO. 1 (PURIFIED) | 50-00-0 | FORMALDEHYDE |
| 10043-35-3 | BORIC ACID | 75-09-2 | FREON 30 (see METHYLENE CHLORIDE) |
| 7758-01-2 | BROMATE, POTASSIUM | 54-31-9 | FUROSEMIDE |
| 75-27-4 | BROMODICHLOROMETHANE | mixture | GERANYL ACETATE, FOOD GRADE (71% GERANYL ACETATE, 29% CITRONELLYL ACETATE) (CAS NUMBERS 105-87-3 and 150-84-5) |
| 74-96-4 | BROMOETHANE | 69644-85-5 | N2-[gamma-L(+)-GLUTAMYL]-4-CARBOXYPHENYLHYDRAZINE (see N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID) |
| 75-25-2 | BROMOFORM (see TRIBROMOMETHANE) | 69644-85-5 | N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID |
| 106-99-0 | 1,3-BUTADIENE | 118-74-1 | HCB (see HEXACHLOROBENZENE) |
| 128-37-0 | 2,6-DI-tert-BUTYL-p-CRESOL (see BUTYLATED HYDROXYTOLUENE) | 118-74-1 | HEXACHLOROBENZENE |
| 25013-16-5 | 2(3)-tert-BUTYL-4-HYDROXYANISOLE (see BUTYLATED HYDROXYANISOLE) | 58-89-9 | gamma-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE |
| 25013-16-5 | BUTYLATED HYDROXYANISOLE | 67-72-1 | HEXACHLOROETHANE |
| 128-37-0 | BUTYLATED HYDROXYTOLUENE | 136-77-6 | 4-HEXYLRESORCINOL |
| 35658-65-2 | CADMIUM CHLORIDE | 10034-93-2 | HYDRAZINE SULFATE |
| 149-30-4 | CAPTAX (see 2-MERCAPTOBENZOTHAZOLE) | 69644-85-5 | p-HYDRAZINOBENZOIC ACID, N2-gamma-GLUTAMYL (see N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID) |
| 120-80-9 | CATECHOL | 24589-77-3 | p-HYDRAZINOBENZOIC ACID.HCl |
| 20265-96-7 | p-CHLOROANILINE.HCl | 58-93-5 | HYDROCHLOROTHIAZIDE |
| 75-45-6 | CHLORODIFLUOROMETHANE | 123-31-9 | HYDROQUINONE |
| 75-00-3 | CHLOROETHANE | 1083-57-4 | 3-HYDROXY-p-BUTYROPHENETIDIDE |
| 150-68-5 | 3-(p-CHLOROPHENYL)-1, 1-DIMETHYLUREA | 24382-04-5 | 3-HYDROXY-2-PROPENAL, SODIUM SALT (see MALONALDEHYDE, SODIUM SALT) |
| 52214-84-3 | CIPROFIBRATE | 13743-07-2 | 1-(2-HYDROXYETHYL)-1-NITROSOUREA |
| 108-94-1 | CYCLOHEXANONE | 924-42-5 | N-(HYDROXYMETHYL)-ACRYLAMIDE (see N-METHYLOLACRYLAMIDE) |
| 62-73-7 | DDVP (see DICHLORVOS) | 75011-65-3 | IBOPAMINE.HCl (see N-METHYLDOPAMINE, O,O'-DIISOBUTYROYL ESTER, HCl) |
| 55-18-5 | DEN (see N-NITROSODIETHYLAMINE) | 26675-46-7 | ISOFLURANE |
| 56-53-1 | DES (see DIETHYLSTILBESTROL) | --- | LAAM (see 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCl) |
| 62488-57-7 | DHAC (see 5,6-DIHYDRO-5-AZACYTIDINE) | 303-34-4 | LASIOCARPINE |
| --- | 3-DIAZOTYRAMINE.HCl | 58-89-9 | LINDANE (see gamma-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE) |
| 75-27-4 | DICHLOROBROMOMETHANE (see BROMODICHLOROMETHANE) | 67-20-9 | MACRODANTIN (see 1-[(5-NITROFURFURYLIDENE)AMINO] HYDANTOIN) |
| 75-71-8 | DICHLORODIFLUOROMETHANE | 24382-04-5 | MALONALDEHYDE, SODIUM SALT |
| 75-09-2 | DICHLOROMETHANE (see METHYLENE CHLORIDE) | 77500-04-0 | MeIQx (see 2-AMINO-3,8-DIMETHYLMIDAZO[4,5-f]QUINOXALINE) |
| 120-83-2 | 2,4-DICHLOROPHENOL | 149-30-4 | 2-MERCAPTOBENZOTHAZOLE |
| 62-73-7 | DICHLORVOS | 1095-90-5 | DL-METHADONE.HCl (see 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCl) |
| 56-53-1 | 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS-PHENOL (see DIETHYLSTILBESTROL) | 298-81-7 | 8-METHOXYPSORALEN |
| 55-18-5 | DIETHYLNITROSAMINE (see N-NITROSODIETHYLAMINE) | 25843-45-2 | Z-METHYL-O,N,N-AZOXYMETHANE (see AZOXYMETHANE) |
| 55-18-5 | N,N-DIETHYLNITROSAMINE (see N-NITROSODIETHYLAMINE) | 598-55-0 | METHYL CARBAMATE |
| 56-53-1 | DIETHYLSTILBESTROL | 71-55-6 | METHYL CHLOROFORM (see 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE) |
| 62488-57-7 | 5,6-DIHYDRO-5-AZACYTIDINE | 70-25-7 | N-METHYL-N'-NITRO-N-NITROSOGUANIDINE |
| 120-80-9 | 1,2-DIHYDROXYBENZENE (see CATECHOL) | 872-50-4 | N-METHYL-2-PYRROLIDONE |
| 828-00-2 | DIMETHOXANE, COMMERCIAL GRADE | | |
| 65176-75-2 | 5,6-DIMETHOXYSTERIGMATOCYSTIN | | |
| 756-79-6 | DIMETHYL METHYLPHOSPHONATE | | |
| --- | 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCl | | |
| 1095-90-5 | 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCl | | |
| 108-01-0 | 2-DIMETHYLAMINOETHANOL | | |

| CAS NUMBER | CHEMICAL NAME |
|-------------|--|
| 41372-08-1 | alpha-METHYLDOPA SESQUIHYDRATE |
| 75011-65-3 | N-METHYLDOPAMINE, O,O-DISOBUTYROYL ESTER.HCl |
| 75-09-2 | METHYLENE CHLORIDE |
| --- | 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-BUTANOL |
| 64091-91-4 | 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-(BUTANONE) |
| 924-42-5 | N-METHYLOLACRYLAMIDE |
| 622-97-9 | p-METHYLSTYRENE |
| 59122-46-2 | MISOPROSTOL |
| 70-25-7 | MNNG (see N-METHYL-N'-NITRO-N-NITROSOGUANIDINE) |
| 150-68-5 | MONURON (see 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA) |
| 298-81-7 | 8-MOP (see 8-METHOXYPSORALEN) |
| 389-08-2 | NALIDIXIC ACID |
| 88385-81-3 | NEOSUGAR |
| 13743-07-2 | NHEU (see 1-(2-HYDROXYETHYL)-1-NITROSOUREA)) |
| 7632-00-0 | NITRITE, SODIUM |
| 59-87-0 | 5-NITRO-2-FURALDEHYDE SEMICARBAZONE |
| 121-19-7 | 3-NITRO-4-HYDROXYPHENYLARSONIC ACID |
| 67-20-9 | NITROFURANTOIN (see 1-((5-NITROFURFURYLIDENE)AMINO)HYDANTOIN) |
| 59-87-0 | NITROFUZAZONE (see 5-NITRO-2-FURALDEHYDE SEMICARBAZONE) |
| 67-20-9 | 1-((5-NITROFURFURYLIDENE)AMINO)HYDANTOIN |
| 108-03-2 | 1-NITROPROPANE |
| 13743-07-2 | N-NITROSO-2-HYDROXYETHYLUREA (see 1-(2-HYDROXYETHYL)-1-NITROSOUREA)) |
| 38347-74-9 | 3-NITROSO-2-OXAZOLIDINONE |
| 1116-54-7 | N-NITROSODIETHANOLAMINE |
| 55-18-5 | N-NITROSODIETHYLAMINE |
| 62-75-9 | N-NITROSODIMETHYLAMINE |
| 114282-83-6 | N-NITROSODITHIAZINE |
| 10595-95-6 | NITROSOETHYLMETHYLAMINE |
| 55557-02-3 | N-NITROSOGUVACOLINE |
| 26921-68-6 | N-NITROSOMETHYL-(2-HYDROXYETHYL)AMINE |
| 70415-59-7 | N-NITROSOMETHYL-(3-HYDROXYPROPYL)AMINE |
| --- | N-NITROSOMETHYL-(2-TOSYLOXYETHYL)AMINE |
| 10595-95-6 | N-NITROSOMETHYLETHYLAMINE (see NITROSOETHYLMETHYLAMINE) |
| 59-89-2 | NITROSOMORPHOLINE (see N-NITROSOMORPHOLINE) |
| 59-89-2 | N-NITROSOMORPHOLINE |
| 930-55-2 | NITROSOPYRROLIDINE (see N-NITROSOPYRROLIDINE) |
| 930-55-2 | N-NITROSOPYRROLIDINE |
| 81795-07-5 | N-NITROSOTHIALDINE |
| 303-47-9 | OCHRATOXIN A |
| 117-81-7 | Di-sec-OCTYL PHTHALATE (see DI(2-ETHYLHEXYL)PHTHALATE) |
| 6373-74-6 | C.I. ACID ORANGE 3 |
| 1936-15-8 | C.I. ACID ORANGE 10 |
| 297-76-7 | OVULEN-50 (see ETHYNODIOL DIACETATE) |
| 132-98-9 | PENICILLIN VK |
| 87-86-5 | PENTA (see 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)) |
| 87-86-5 | 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7) |
| 87-86-5 | 2,3,4,5,6-PENTACHLOROPHENOL, TECHNICAL GRADE |
| 78-11-5 | PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE |
| 57590-20-2 | PENTANAL METHYLFORMYLHYDRAZONE |
| 78-11-5 | PETN, NF (see PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE) |
| 50-06-6 | PHENOBARBITAL |
| 50-06-6 | PHENOBARBITONE (see PHENOBARBITAL) |
| 135-88-6 | PHENYL-beta-NAPHTHYLAMINE |
| 135-88-6 | N-PHENYL-2-NAPHTHYLAMINE (see PHENYL-beta-NAPHTHYLAMINE) |
| 50-33-9 | PHENYLBUTAZONE |
| 108-45-2 | m-PHENYLENEDIAMINE |
| 50-06-6 | PHENYLETHYLBARBITURIC ACID (see PHENOBARBITAL) |
| 57-41-0 | PHENYTOIN (see 5,5-DIPHENYLHYDANTOIN) |
| 7758-01-2 | POTASSIUM BROMATE (see BROMATE, POTASSIUM) |
| 121-79-9 | PROPYL GALLATE |
| 115-07-1 | PROPYLENE |
| 75-56-9 | 1,2-PROPYLENE OXIDE |
| 16423-68-0 | FD & C RED NO. 3 |
| 79-81-2 | RETINOL PALMITATE |
| 127-47-9 | RETINOL ACETATE |
| 149-30-4 | ROTAX (see 2-MERCAPTOBENZOTHIAZOLE) |
| 83-79-4 | ROTENONE |
| 121-19-7 | ROXARSONE (see 3-NITRO-4-HYDROXYPHENYLARSONIC ACID) |
| 18559-94-9 | SALBUTAMOL |
| 7632-00-0 | SODIUM NITRITE (see NITRITE, SODIUM) |
| 100-42-5 | STYRENE |
| 96-09-3 | STYRENE OXIDE |
| 1934-21-0 | TARTRAZINE (see FD & C YELLOW NO. 5) |

| CAS NUMBER | CHEMICAL NAME |
|------------|---|
| 79-01-6 | TCE (see TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN)) |
| 150-68-5 | TELVAR (see 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA) |
| 34031-32-8 | 2,3,4,6-TETRA-O-ACETYL-1-THIO-1-beta-D-GLUCOPYRANOSATO-S) (TRIETHYLPHOSPHINE) GOLD (see AURANOFIN) |
| 64-75-5 | TETRACYCLINE.HCl |
| 18771-50-1 | 3,4,5,6-TETRAHYDROURIDINE |
| 62-55-5 | THIOACETAMIDE |
| 10191-41-0 | DL-alpha-TOCOPHEROL |
| 75-25-2 | TRIBROMOMETHANE |
| 76-13-1 | 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, TECHNICAL GRADE |
| 71-55-6 | 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE |
| 79-01-6 | TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN) (TCE, c04547 is NTP TR# 243; 04546 (b,d,e & f) are NTP TR# 273) |
| 75-69-4 | TRICHLOROFLUOROMETHANE |
| 83-79-4 | TUBATOXIN (see ROTENONE) |
| 62-73-7 | VAPONA (see DICHLORVOS) |
| 75-01-4 | VINYL CHLORIDE |
| 127-47-9 | VITAMIN A, ACETATE (see RETINOL ACETATE) |
| 79-81-2 | VITAMIN A, PALMITATE (see RETINOL PALMITATE) |
| 134-03-2 | VITAMIN C, SODIUM (see L-ASCORBATE, SODIUM) |
| 10191-41-0 | VITAMIN E (see DL-alpha-TOCOPHEROL) |
| 1934-21-0 | FD & C YELLOW NO. 5 |

CAS NUMBER = Chemical Abstracts Service registry number

APPENDIX 2: CHEMICAL NAMES IN THIS PLOT LISTED BY CAS NUMBER

| CAS NUMBER | CHEMICAL NAME | CAS NUMBER | CHEMICAL NAME |
|------------|--|------------|---|
| mixture | GERANYL ACETATE, FOOD GRADE (71% GERANYL ACETATE, 29% CITRONELLYL ACETATE) (CAS NUMBERS 105-87-3 and 150-84-5) | 127-47-9 | RETINOL ACETATE (vitamin A, acetate) |
| 50-00-0 | FORMALDEHYDE | 128-37-0 | BUTYLATED HYDROXYTOLUENE (BHT, 2,6-DI-tert-butyl-p-cresol) |
| 50-06-6 | PHENOBARBITAL (phenobarbitone) | 132-98-9 | PENICILLIN VK |
| 50-33-9 | PHENYLBUTAZONE | 134-03-2 | L-ASCORBATE, SODIUM (vitamin C, sodium) |
| 53-96-3 | 2-ACETYLAMINOFUORENE (N-2-fluorenylacetylamine) | 135-88-6 | PHENYL-beta-NAPHTHYLAMINE (Agerite powder, N-phenyl-2-naphthylamine) |
| 54-31-9 | FUROSEMIDE | 136-77-6 | 4-HEXYLRESORCINOL |
| 55-18-5 | N-NITROSODIETHYLAMINE (DEN) | 147-24-0 | DIPHENHYDRAMINE.HCl (Benadryl) |
| 56-53-1 | DIETHYLSTILBESTROL (DES) | 149-30-4 | 2-MERCAPTOBENZOTHAZOLE (Captax, rotax) |
| 57-41-0 | 5,5-DIPHENYLHYDANTOIN (phenytoin) | 150-68-5 | 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA (Telvar, monuron) |
| 58-89-9 | gamma-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE (lindane) | 271-89-6 | BENZOFURAN |
| 58-93-5 | HYDROCHLOROTHIAZIDE | 297-76-7 | ETHYNODIOL DIACETATE (Ovulen-50) |
| 59-87-0 | 5-NITRO-2-FURALDEHYDE SEMICARBAZONE (nitrofurazone) | 298-81-7 | 8-METHOXYPSORALEN (8-MOP) |
| 59-89-2 | N-NITROSOMORPHOLINE | 303-34-4 | LASIOCARPINE |
| 62-55-5 | THIOACETAMIDE | 303-47-9 | OCHRATOXIN A |
| 62-73-7 | DICHLORVOS (DDVP, Vapona) | 320-67-2 | 5-AZACYTIDINE |
| 62-75-9 | N-NITROSODIMETHYLAMINE (DMN) | 389-08-2 | NALIDIXIC ACID |
| 64-75-5 | TETRACYCLINE.HCl | 598-55-0 | METHYL CARBAMATE |
| 67-20-9 | 1-[(5-NITROFURFURYLIDENE)AMINO]HYDANTOIN (macrochantin, nitrofurantoin) | 606-20-2 | 2,6-DINITROTOLUENE |
| 67-72-1 | HEXACHLOROETHANE | 622-97-9 | p-METHYLSTYRENE |
| 70-25-7 | N-METHYL-N-NITRO-N-NITROSOGUANIDINE (MNNG) | 643-22-1 | ERYTHROMYCIN STEARATE |
| 71-43-2 | BENZENE | 756-79-6 | DIMETHYL METHYLPHOSPHONATE (DMMP) |
| 71-55-6 | 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE (methyl chloroform) | 828-00-2 | DIMETHOXANE, COMMERCIAL GRADE |
| 74-96-4 | BROMOETHANE (ethyl bromide) | 872-50-4 | N-METHYL-2-PYRROLIDONE |
| 75-00-3 | CHLOROETHANE (ethyl chloride) | 924-42-5 | N-METHYLOLACRYLAMIDE |
| 75-01-4 | VINYL CHLORIDE | 930-55-2 | N-NITROSOPYRROLIDINE |
| 75-07-0 | ACETALDEHYDE | 1083-57-4 | 3-HYDROXY-p-BUTYROPHENETIDIDE (betadid, bucetin) |
| 75-09-2 | METHYLENE CHLORIDE (dichloromethane, Freon 30) | 1095-90-5 | 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCl (DL-methadone.HCl) |
| 75-21-8 | ETHYLENE OXIDE (EO) | 1116-54-7 | N-NITROSODIETHANOLAMINE |
| 75-25-2 | TRIBROMOMETHANE (bromoform) | 1162-65-8 | AFLATOXIN BI |
| 75-27-4 | BROMODICHLOROMETHANE (dichlorobromomethane) | 1934-21-0 | FD & C YELLOW NO. 5 (tartrazine) |
| 75-45-6 | CHLORODIFLUOROMETHANE (fluorocarbon 22) | 1936-15-8 | C.I. ACID ORANGE 10 |
| 75-56-9 | 1,2-PROPYLENE OXIDE (1,2-epoxypropane) | 2784-94-3 | HC BLUE NO. 1 |
| 75-69-4 | TRICHLOROFLUOROMETHANE (fluorocarbon 11) | 2784-94-3 | HC BLUE NO. 1 (PURIFIED) |
| 75-71-8 | DICHLORODIFLUOROMETHANE (fluorocarbon 12) | 3054-95-3 | ACROLEIN DIETHYLACETAL |
| 76-13-1 | 1,1,1,2-TRICHLORO-1,1,2,2-TRIFLUOROETHANE, TECHNICAL GRADE (fluorocarbon 113) | 3131-60-0 | 6-AZACYTIDINE |
| 78-11-5 | PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE (PETN, NF) | 5314-33-0 | ACROLEIN OXIME |
| 79-01-6 | TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN) (TCE) | 6373-74-6 | C.I. ACID ORANGE 3 |
| 79-81-2 | RETINOL PALMITATE (vitamin A, palmitate) | 7632-00-0 | NITRITE, SODIUM |
| 83-79-4 | ROTENONE (tubatoxin) | 7758-01-2 | BROMATE, POTASSIUM |
| 87-86-5 | 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7) (Dowicide 7, penta, PCP) | 10034-93-2 | HYDRAZINE SULFATE |
| 87-86-5 | 2,3,4,5,6-PENTACHLOROPHENOL, TECHNICAL GRADE (penta, PCP) | 10043-35-3 | BORIC ACID |
| 91-53-2 | ETHOXYQUIN | 10191-41-0 | DL-alpha-TOCOPHEROL (vitamin E) |
| 96-09-3 | STYRENE OXIDE | 10595-95-6 | NITROSOETHYLMETHYLAMINE (N-nitrosomethylethylamine) |
| 99-57-0 | 2-AMINO-4-NITROPHENOL | 13256-06-9 | DIPENTYLNITROSAMINE |
| 100-42-5 | STYRENE | 13743-07-2 | 1-(2-HYDROXYETHYL)-1-NITROSOUREA (N-nitroso-2-hydroxyethylurea, NHEU) |
| 100-51-6 | BENZYL ALCOHOL | 16423-68-0 | FD & C RED NO. 3 (erythrosine) |
| 106-88-7 | 1,2-EPOXYBUTANE | 17697-53-9 | 2-AZOXYPROPANE |
| 106-99-0 | 1,3-BUTADIENE | 17697-55-1 | 1-AZOXYPROPANE |
| 107-02-8 | ACROLEIN | 18559-94-9 | SALBUTAMOL |
| 107-13-1 | ACRYLONITRILE | 18771-50-1 | 3,4,5,6-TETRAHYDROURIDINE |
| 107-18-6 | ALLYL ALCOHOL | 20265-96-7 | p-CHLOROANILINE.HCl |
| 107-29-9 | ACETALDOXIME | 24382-04-5 | MALONALDEHYDE, SODIUM SALT (3-hydroxy-2-propenal, sodium salt) |
| 108-01-0 | 2-DIMETHYLAMINOETHANOL | 24589-77-3 | p-HYDRAZINOBENZOIC ACID.HCl |
| 108-03-2 | 1-NITROPROPANE | 25013-16-5 | BUTYLATED HYDROXYANISOLE (BHA, 2(3)-tert-butyl-4-hydroxyanisole) |
| 108-45-2 | m-PHENYLENEDIAMINE | 25843-45-2 | AZOXYMETHANE (Z-methyl-O,N,N-azoxymethane) |
| 108-94-1 | CYCLOHEXANONE | 26675-46-7 | ISOFLURANE |
| 115-07-1 | PROPYLENE | 26921-68-6 | N-NITROSOMETHYL-(2-HYDROXYETHYL)AMINE |
| 117-81-7 | Di(2-ETHYLHEXYL)PHTHALATE (di-sec-octyl phthalate) | 34031-32-8 | AURANOFIN ((2,3,4,6-tetra-O-acetyl-1-thio-1-beta-D-glucopyranosato-S) (triethylphosphine) gold) |
| 118-74-1 | HEXACHLOROBENZENE (HCB) | 35658-65-2 | CADMIUM CHLORIDE |
| 120-80-9 | CATECHOL (1,2-dihydroxybenzene) | 38347-74-9 | 3-NITROSO-2-OXAZOLIDINONE |
| 120-83-2 | 2,4-DICHLOROPHENOL | 41372-08-1 | alpha-METHYLDOPA SESQUIHYDRATE |
| 121-14-2 | 2,4-DINITROTOLUENE (PURIFIED) | 52214-84-3 | CIPROFIBRATE |
| 121-19-7 | 3-NITRO-4-HYDROXYPHENYLARSONIC ACID (roxarsone) | 55557-02-3 | N-NITROSOGUVACOLINE |
| 121-69-7 | N,N-DIMETHYLANILINE | 57590-20-2 | PENTANAL METHYLFORMYLHYDRAZONE |
| 121-79-9 | PROPYL GALLATE | 59122-46-2 | MISOPROSTOL |
| 121-88-0 | 2-AMINO-5-NITROPHENOL | 62488-57-7 | 5,6-DIHYDRO-5-AZACYTIDINE (DHAC) |
| 123-31-9 | HYDROQUINONE | 64091-91-4 | 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-(BUTANONE) |
| | | 65176-75-2 | 5,6-DIMETHOXYSTERIGMATOCYSTIN |
| | | 69644-85-5 | N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID (N2- |

APPENDIX 2: continued.

| CAS NUMBER | CHEMICAL NAME |
|-------------|---|
| | [gamma-L(+)-GLUTAMYL]-4-CARBOXYPHENYLHYDRAZINE) |
| 70415-59-7 | N-NITROSOMETHYL-(3-HYDROXYPROPYL)AMINE |
| 75011-65-3 | N-METHYLDOPAMINE, O,O'-DIISOBUTYROYL ESTER.HCl (ibopamine.HCl) |
| 77500-04-0 | 2-AMINO-3,8-DIMETHYLIMIDAZO[4,5-f]QUINOXALINE (MeIQx) |
| 81795-07-5 | N-NITROSOTHIALDINE |
| 88385-81-3 | NEOSUGAR |
| 114282-83-6 | N-NITROSODITHIAZINE |
| --- | 3-DIAZOTYRAMINE.HCl (4-(2-aminoethyl)-6-diazo-2,4-cyclohexadienone.HCl) |
| --- | 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCl (L-alpha-acetylmetadol.HCl, LAAM) |
| --- | DINITROTOLUENE, TECHNICAL GRADE (2,4 (77%)- and 2,6 (19%)-) |
| --- | 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-BUTANOL |
| --- | N-NITROSOMETHYL-(2-TOSYLOXYETHYL)AMINE |

APPENDIX 3: STRAIN CODES AND DEFINITIONS

| Code | Strain |
|------|-----------------------------------|
| aci | ACI |
| ain | ACI/n |
| aug | August |
| b6c | B6C3F ₁ |
| baa | Black a/a (YS x VY)F ₁ |
| bal | BALB/c |
| bcn | BALB/c StCrlfC3Hf/Nctr |
| c3j | C3H/HeJ |
| c3v | C3H/HeN-MTV-/Nctr |
| c5n | C57BL/6N |
| cd1 | Charles River CD1 |
| cdf | CDF ₁ |
| cdr | Charles River CD |
| cen | C3H/HeN |
| chg | C3H/He germfree |
| chh | C3H/He |
| don | Donryu |
| f34 | Fischer 344 |
| f3d | F344/DuCrj |
| mar | Marshall |
| mrw | MRC-Wistar |
| osm | Osborne-Mendel |
| pva | Lean pseudoagouti Avy/a |
| sda | Sprague-Dawley |
| sss | Sprague-Dawley Spartan |
| swa | Swiss albino |
| swi | Swiss |
| sww | Swiss Webster |
| syg | Syrian Golden |
| win | Wistar/NIN |
| wis | Wistar |
| wsr | Wistar-random |
| yva | Obese yellow Avy/a |

APPENDIX 4: ROUTE OF ADMINISTRATION CODES AND DEFINITIONS

| Code | Route of Administration |
|------|---------------------------|
| eat | diet |
| gav | gavage |
| inh | inhalation |
| ipj | intraperitoneal injection |
| wat | water |

APPENDIX 5: SITE CODES AND DEFINITIONS

| Code | Site |
|------|--|
| --- | all target sites |
| abc | abdominal cavity |
| acx | adrenal cortex |
| adr | adrenal gland |
| amd | adrenal medulla |
| aol | aorta and large arteries |
| bon | bone |
| bra | brain |
| brm | brain/meninges |
| cli | clitoral gland |
| col | colon |
| duo | duodenum |
| eso | esophagus |
| fgr | forestomach, greater curvature |
| fls | forestomach, lesser curvature |
| for | forestomach |
| gam | gastric mucosa |
| git | gastrointestinal tract |
| hag | Harderian gland |
| itn | intestine |
| k/c | kidney/cortex |
| k/p | kidney/pelvis |
| kid | kidney |
| lgi | large intestine |
| liv | liver |
| lmr | lymphoreticular system |
| mam | mammary tissue (other than or including more than mammary gland) |
| lun | lung |
| mds | mediastinum |
| meo | mesovarium |
| mgl | mammary gland |
| mln | mesenteric lymph node |
| mul | multiple organs |
| MXA | more than one site, combined by NCI/NTP |
| MXB | more than one site, combined by Berkeley |
| nac | nasal mucosa |
| nas | nasal cavity |
| ner | nervous system |
| orc | oral cavity |
| ova | ovary |
| pae | pancreas, exocrine |
| pal | palate |
| pan | pancreas |
| per | peritoneum |
| pit | pituitary gland |
| pni | pancreatic islets |
| pre | preputial gland |
| pta | pituitary gland, anterior |
| pty | parathyroid |
| rec | rectum |
| res | respiratory system |
| ski | skin |
| spl | spleen |
| stg | stomach, glandular |
| srp | splenic red pulp |
| sub | subcutaneous tissue |
| TBA | all tumor bearing animals, NCI/NTP |
| tba | all tumor bearing animals |
| tes | testis |
| thy | thyroid gland |

| Code | Site |
|------|------------------|
| tna | tunica albuginea |
| tnv | tunica vaginalis |
| ton | tongue |
| ubl | urinary bladder |
| unt | urinary tract |
| ute | uterus |
| zym | Zymbal's gland |

APPENDIX 6: HISTOPATHOLOGY CODES AND DEFINITIONS

| Code | Histopathology |
|------|----------------------------------|
| a/a | alveolar/bronchiolar adenoma |
| a/c | alveolar/bronchiolar carcinoma |
| acb | adenocarcinoma, bronchialveolar |
| acc | acinar-cell carcinoma |
| acn | adenocarcinoma, NOS |
| act | alveolar-cell tumor |
| ada | adenocarcinoma, type A |
| adb | adenocarcinoma, type B |
| adc | adenocarcinoma |
| ade | adenoma |
| adn | adenoma, NOS |
| adq | adenosquamous carcinoma |
| ala | alveolar-cell adenoma |
| alc | alveolar-cell carcinoma |
| ana | acinar-cell adenoma |
| anb | adenoma, bilateral |
| ang | angiosarcoma |
| aod | adenocarcinoma, acinar or ductal |
| apn | adenomatous polyp, NOS |
| asl | astrocytoma, malignant |
| ast | astrocytoma |
| ata | atypic adenoma |
| bcc | basal-cell carcinoma |
| ben | benign tumor |
| bhp | hepatoma, benign |
| bht | hepatocellular tumor, benign |
| blc | biliary cystadenoma |
| bsa | basophil adenoma |
| cab | cholangiocellular tumor, benign |
| can | carcinoma, NOS |
| car | carcinoma |
| cca | c-cell adenoma |
| ccr | c-cell carcinoma |
| cgf | cholangiofibroma |
| cho | cholangioma |
| clc | cholangiocarcinoma |
| coa | cortical adenoma |
| csa | cortical subcapsular adenoma |
| ena | endometrial adenocarcinoma |
| ene | esthesioneuroepithelioma |
| epc | epidermoid carcinoma |
| esp | endometrial stromal polyp |
| exa | exocrine adenoma |
| fba | fibroadenoma |
| fbs | fibrosarcoma |
| fca | follicular-cell adenoma |
| fcc | follicular-cell carcinoma |
| fct | follicular-cell tumor |
| fib | fibroma |
| gcb | granulosa-cell tumor, benign |

| Code | Histopathology |
|------|--|
| gcc | granulosa-cell carcinoma |
| gcl | granulosa-cell tumor, NOS |
| gcm | granulosa-cell tumor, malignant |
| gct | granulosa-cell tumor |
| gli | glioma |
| gln | glioma, NOS |
| hcs | histiocytic sarcoma |
| hct | hepatocellular tumor |
| hem | hemangioma |
| hes | hemangiosarcoma |
| hmb | hemangioendothelioma, benign |
| hmm | hemangioendothelioma, malignant |
| hms | hemangioendothelial sarcoma |
| hnd | hyperplastic nodule |
| hpa | hepatocellular adenoma |
| hpb | hepatoblastoma |
| hpc | hepatocellular carcinoma |
| hpd | hepatocellular adenocarcinoma |
| hpn | hepatocellular neoplastic nodule |
| hpt | hepatoma |
| iab | interstitial-cell adenoma, bilateral |
| ica | interstitial-cell adenoma |
| ict | interstitial-cell tumor |
| isa | islet-cell adenoma |
| isc | islet-cell carcinoma |
| itm | interstitial-cell tumor, malignant |
| kcs | Kupffer-cell sarcoma |
| ker | keratoacanthoma |
| lcl | lymphocytic lymphoma |
| ldc | Leydig-cell tumor |
| lei | leiomyosarcoma |
| leu | leukemia |
| ley | leiomyoma |
| lkm | lymphoma leukemia |
| lls | lymphoblastic leukemia-lymphosarcoma |
| mal | malignant tumor |
| mec | muco-epidermoid carcinoma |
| men | mesothelioma, NOS |
| mhs | histiocytoma, malignant |
| mix | more than one tumor type; tumor types specified in published paper |
| mlh | malignant lymphoma, histiocytic type |
| mlm | malignant lymphoma, mixed type |
| mlp | malignant lymphoma, lymphocytic type |
| mly | malignant lymphoma, undifferentiated type |
| mly | malignant lymphoma |
| mng | meningioma |
| mnl | mononuclear-cell leukemia |
| mno | malignant lymphoma, NOS |
| mnp | mesenchymal neoplasm |
| msm | mesothelioma, malignant |
| mso | mesothelioma |
| mtb | mixed tumor, benign |
| mtm | mixed tumor, malignant |
| MXA | more than one tumor type, combined by NCI/NTP |
| MXB | more than one tumor type, combined by Berkeley |
| myo | myelomonocytic leukemia |
| neo | neoplasm |
| neu | neuroblastoma |
| nfm | neurofibroma |
| nfs | neurofibrosarcoma |
| nlm | neurilemoma, malignant |
| nnd | neoplastic nodule |
| oli | oligodendroglioma |

| Code | Histopathology |
|------|---|
| ost | osteosarcoma |
| pac | papillary adenocarcinoma |
| pam | papilloma |
| pbb | pheochromocytoma benign, bilateral |
| pbm | pheochromocytoma, benign/malignant |
| pcy | papillary cystadenoma, NOS |
| pda | pars distalis adenoma |
| phc | pheochromocytoma, complex |
| phe | pheochromocytoma |
| phm | pheochromocytoma, malignant |
| pla | polypoid adenoma |
| pmb | pheochromocytoma malignant, bilateral |
| pob | pheochromocytoma, benign |
| ppa | papillary adenoma |
| ppc | papillary carcinoma |
| ppn | papilloma, NOS |
| pst | stromal polyp |
| rca | renal-cell adenoma |
| rcc | renal-cell carcinoma |
| rct | renal-cell tumor |
| rts | reticulum-cell sarcoma |
| rua | tubule adenoma |
| ruc | tubule carcinoma |
| rue | tubule epithelium adenoma |
| sar | sarcoma |
| sea | sebaceous adenoma |
| sia | sebaceous gland adenoma |
| spm | sarcoma, NOS, unclear primary or metastatic |
| sqa | squamous-cell tumor |
| sqc | squamous-cell carcinoma |
| sqp | squamous-cell papilloma |
| srn | sarcoma, NOS |
| tcb | tubular-cell carcinoma, bilateral |
| tcc | transitional-cell carcinoma |
| tcm | thecoma |
| thc | hepatocellular carcinoma, trabecular |
| tla | tubular-cell adenoma |
| tpp | transitional-cell papilloma |
| tri | trichoepithelioma |
| tua | tubular adenoma |
| tum | tumor or more than one tumor type; tumor types not specified in published paper |
| uac | tubular-cell adenocarcinoma |
| ulc | undifferentiated carcinoma |

APPENDIX 7: NOTECODES AND DEFINITIONS

| Code | Definition |
|------|---|
| a | The exposure time reported on the plot is an average of the different exposure times of the individual dose groups in the experiment. For NCI/NTP, both exposure and experiment times have been averaged because of differential survival among the dose groups. (In the TD ₅₀ calculation for the NCI/NTP bioassays, full lifetable data have been used.) |
| b | Diet was specially prepared to be deficient in one or more vitamins. |
| e | For the general literature we have used an effective number of animals in a group whenever possible. This effective number is either: (1) the number of animals alive at the time of appearance of the first tumor, or if that is not reported, then (2) the number of animals examined. |
| g | Some or all of the animals were used as breeders during the |

| Code | Definition |
|------|---|
| | course of the experiment. |
| j | The data for this test have been previously published in the database. The experimental results have been revised and re-published by the authors. In the database, we give the same reference number to the test in both publications. |
| k | For interim and serial sacrifice experiments, we have reported, as a separate experiment with a k notecode, each sacrifice time that otherwise met the inclusion rules of the database. Whenever possible, we have included unscheduled deaths with the terminal sacrifice data, and when this has been done, there is no k notecode for the terminal sacrifice experiment. |
| n | NTP considered one dose group inadequate for detecting a carcinogenic response. |
| o | Chemical was administered as an aerosol. |
| r | Restricted site analysis; the authors either examined or chose to report data for only a few selected tissues. |
| s | Authors noted that survival was decreased due to toxicity, disease, or accidental death. |
| v | Variable or irregular dosing schedules have been used, e.g. dose level changed during the experiment. |

APPENDIX 8: DOSE-RESPONSE CURVE SYMBOLS AND DEFINITIONS

| Code | Dose-Response Curve |
|-------|---|
| * | consistent with linearity |
| / | significant departure from linearity, upward curvature |
| \ | significant departure from linearity, downward curvature |
| Z | significant departure from linearity, more than three dose groups including controls |
| blank | either no dose-related effect, or only two dose groups including controls, so not enough information to determine a curve shape |

APPENDIX 9: REFERENCE CODES AND DEFINITIONS

| Code | Reference |
|-------|---|
| acnr | Anticancer Research |
| amih | American Industrial Hygiene |
| anes | Anesthesiology |
| anya | Annals of the New York Academy of Sciences |
| bjca | British Journal of Cancer |
| canr | Cancer Research |
| carc | Carcinogenesis |
| clet | Cancer Letters |
| enhp | Environmental Health Perspectives |
| faat | Fundamental and Applied Toxicology |
| fectx | Food and Chemical Toxicology (formerly Food and Cosmetics Toxicology, until 1982) |
| gann | Japanese Journal of Cancer Research (formerly Gann through Vol. 75, 1984) |
| ijbb | Indian Journal of Biochemistry & Biophysics |
| jact | Journal of the American College of Toxicology |
| jnci | Journal of the National Cancer Institute (U.S. National Cancer Institute Journal) |

| Code | Reference |
|------|--|
| jtxe | Journal of Toxicology and Environmental Health |
| livt | Laboratory Investigation |
| made | Mechanisms of Ageing and Development |
| myco | Mycopathologia |
| neag | Neurobiology of Aging |
| nutc | Nutrition and Cancer |
| pavt | Veterinary Pathology (formerly Pathologia Veterinaria) |
| txcy | Toxicology |
| txih | Toxicology and Industrial Health |
| txpy | Toxicologic Pathology |

APPENDIX 10: NCI/NTP BIOASSAYS EVALUATED AS INADEQUATE IN TECHNICAL REPORTS

| Chemical Name | Experiments Evaluated as Inadequate |
|--|---|
| CHLOROETHANE | male mice |
| DIMETHYL METHYLPHOSPHONATE | male mice |
| TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN) | rats (b, d, e and f 04546), male rats (c04547) |

APPENDIX 11: AUTHOR'S OPINION CODES AND DEFINITIONS

| Code | Author's Opinion for Each Site |
|-------|--|
| c | NTP evaluation is <i>clear evidence</i> of carcinogenic activity: studies that are interpreted as showing a dose-related (i) increase of malignant neoplasms, (ii) increase of a combination of malignant and benign neoplasms, or (iii) marked increase of benign neoplasms if there is an indication from this or other studies of the ability of such tumors to progress to malignancy. |
| e | NTP evaluation is <i>equivocal evidence</i> of carcinogenic activity: studies that are interpreted as showing a marginal increase of neoplasms that may be chemically related. |
| p | NTP evaluation is <i>some evidence</i> of carcinogenic activity: studies that are interpreted as showing a chemically related increased incidence of neoplasms (malignant, benign, or combined) in which the strength of the response is less than that required for clear evidence. |
| + | Author in general literature evaluated site as positive. |
| - | NTP evaluation is <i>no evidence</i> of carcinogenic activity: studies that are interpreted as showing no chemically related increases in malignant or benign neoplasms; or author in general literature evaluated site as negative. |
| blank | For NTP and general literature: all other sites. |

APPENDIX 12

Bibliography: General Literature

1. Amo, H., Matsuyama, M., Amano, H., Yamada, C., Kawai, M., Miyata, N., and Nakadate, M. Carcinogenicity and toxicity study of *m*-phenylenediamine administered in the drinking-water to (C57BL/6 × C3H/He)_F₁ mice. *Food Chem. Toxicol.* 26: 893-897(1988).
2. Annapurna, V. V., Mukundan, M. A., Sesikeran, B., and Bamji, M. S. Long-term effects of female sex steroids on female rat liver in an initiator-promoter model of hepato-

3. carcinogenesis. *Indian J. Biochem. Biophys.* 25: 708-713(1988).
3. Arnold, D. L., Moodie, C. A., Charbonneau, S. M., Grice, H. C., McGuire, P. F., Bryce, F. R., Collins, B. T., Zawadzka, Z. Z., Krewski, D. R., Nera, E. A., and Munro, I. C. Long-term toxicity of hexachlorobenzene in the rat and the effect of dietary vitamin A. *Food Chem. Toxicol.* 23: 779-793(1985).
4. Baden, J. M., Kundomal, Y. R., Mazze, R. I., and Kosek, J. C. Carcinogen bioassay of isoflurane in mice. *Anesthesiology* 69: 750-753(1988).
5. Barten, M. The effects of different MNNG (*N*-methyl-*N*-nitro-*N*-nitrosoguanidine)-doses on the stomach and the upper small intestine of the rat. *Exp. Pathol.* 31: 147-152(1987).
6. Berger, M. R., Schmahl, D., and Zerban, H. Combination experiments with very low doses of three genotoxic *N*-nitrosamines with similar organotropic carcinogenicity in rats. *Carcinogenesis* 8: 1635-1643(1987).
7. Borzelleca, J. F., and Hallagan, J. B. A chronic toxicity/carcinogenicity study of FD & C Yellow No. 5 (tartrazine) in mice. *Food Chem. Toxicol.* 26: 189-194(1988).
8. Borzelleca, J. F., and Hallagan, J. B. Lifetime toxicity/carcinogenicity study of FD & C Red No. 3 (erythrosine) in mice. *Food Chem. Toxicol.* 25: 735-737(1987).
9. Bosan, W. S., Shank, R. C., MacEwen, J. D., Gaworski, C. L., and Newberne, P. M. Methylation of DNA guanine during the course of induction of liver cancer in hamsters by hydrazine or dimethylnitrosamine. *Carcinogenesis* 8: 439-444(1987).
10. Burnett, C. M., and Corbett, J. F. Failure of short-term in vitro mutagenicity tests to predict the animal carcinogenicity of hair dyes. *Food Chem. Toxicol.* 25: 703-707(1987).
11. Carr, B. I., Rahbar, S., Asmeron, Y., Riggs, A., and Winberg, C. D. Carcinogenicity and haemoglobin synthesis induction by cytidine analogues. *Br. J. Cancer* 57: 395-402(1988).
12. Cavaliere, A., Bufalari, A., and Vitali, R. 5-azacytidine carcinogenesis in BALB/c mice. *Cancer Lett.* 37: 51-58(1987).
13. Ciliberti, A., Maltoni, C., and Perino, G. Long-term carcinogenicity bioassays on propylene administered by inhalation to Sprague-Dawley rats and Swiss mice. *Ann. N. Y. Acad. Sci.* 534: 235-245(1988).
14. Clevenger, M. A., Turnbull, D., Inoue, H., Enomoto, M., Allen, J. A., Henderson, L. M., and Jones, E. Toxicological evaluation of neosugar: Genotoxicity, carcinogenicity, and chronic toxicity. *J. Am. Coll. Toxicol.* 7: 643-662(1988).
15. Conti, B., Maltoni, C., Perino, G., and Ciliberti, A. Long-term carcinogenicity bioassays on styrene administered by inhalation, ingestion and injection and styrene oxide administered by ingestion in Sprague-Dawley rats, and para-methylstyrene administered by ingestion in Sprague-Dawley rats and Swiss mice. *Ann. N. Y. Acad. Sci.* 534: 203-234(1988).
16. Dodd, D. C., Port, C. D., Deslex, P., Regnier, B., Sanders, P., and Indacochea-Redmond, N. Two-year evaluation of misoprostol for carcinogenicity in CD Sprague-Dawley rats. *Toxicol. Pathol.* 15: 125-133(1987).
17. Elashoff, R. M., Fears, T. R., and Schneiderman, M. A. Statistical analysis of a carcinogen mixture experiment. I. Liver carcinogens. *J. Nat. Cancer Inst.* 79: 509-526(1987).
18. Ernst, H., Ohshima, H., Bartsch, H., Mohr, U., and Reichart, P. Tumorigenicity study in Syrian hamsters fed areca nut together with nitrite. *Carcinogenesis* 8: 1843-1845(1987).
19. Fiala, E. S., Czerniak, R., Castonguay, A., Conaway, C. C., and Rivenson, A. Assay of 1-nitropropane, 2-nitropropane, 1-azoxypropane and 2-azoxypropane for carcinogenicity by

- gavage in Sprague-Dawley rats. *Carcinogenesis* 8: 1947-1949(1987).
20. Fujii, K., Nomoto, K., Ishidate, M., Jr., and Nakamura, K. Chronic toxicity of charred fish meat in Wistar rats. *Nutr. Cancer* 9: 185-193(1987).
 21. Fujita, Y., Wakabayashi, K., Takayama, S., Nagao, M., and Sugimura, T. Induction of oral cavity cancer by 3-diazotyramine, a nitrosated product of tyramine present in foods. *Carcinogenesis* 8: 527-529(1987).
 22. Gallagher, G. T., Maull, E. A., Kovacs, K., and Szabo, S. Neoplasms in rats ingesting acrylonitrile for two years. *J. Am. Coll. Toxicol.* 7: 603-615(1988).
 23. Gopinath, C., and Gibson, W. A. Mesovarian leiomyomas in the rat. *Environ. Health Perspect.* 73: 107-113(1987).
 24. Greenman, D. L., Highman, B., Chen, J. J., Schieferstein, G. J., and Norvell, M. J. Influence of age on induction of mammary tumors by diethylstilbestrol in C3H/HeN mice with low murine mammary tumor virus titer. *J. Nat. Cancer Inst.* 77: 891-898(1986).
 25. Hasegawa, R., Takahashi, M., Furukawa, F., Toyoda, K., Sato, H., and Hayashi, Y. Co-carcinogenic effect of retinyl acetate on forestomach carcinogenesis of male F344 rats induced with butylated hydroxyanisole. *Jpn. J. Cancer Res.* 79: 320-328(1988).
 26. Hirose, M., Fukushima, S., Shirai, T., Hasegawa, R., Kato, T., Tanaka, H., Asakawa, E., and Ito, N. Stomach carcinogenicity of caffeic acid, sesamol and catechol in rats and mice. *Jpn. J. Cancer Res.* 81: 207-212(1990).
 27. Hirose, M., Kurata, Y., Tsuda, H., Fukushima, S., and Ito, N. Catechol strongly enhances rat stomach carcinogenesis: A possible new environmental stomach carcinogen. *Jpn. J. Cancer Res.* 78: 1144-1149(1987).
 28. Hirose, M., Masuda, A., Tsuda, H., Uwagawa, S., and Ito, N. Enhancement of bha-induced proliferative rat forestomach lesion development by simultaneous treatment with other antioxidants. *Carcinogenesis* 8: 1731-1735(1987).
 29. Inai, K., Kobuke, T., Nambu, S., Takemoto, T., Kou, E., Nishina, H., Fujihara, M., Yonehara, S., Suehiro, S., Tsuya, T., Horiuchi, K., and Tokuoka, S. Hepatocellular tumorigenicity of butylated hydroxytoluene administered orally to B6C3F₁ mice. *Jpn. J. Cancer Res.* 79: 49-58(1988).
 30. Jack, D., Poynter, D., and Spurling, N. W. Beta-adrenoceptor stimulants and mesovarian leiomyomas in the rat. *Toxicology* 27: 315-320(1983).
 31. Jang, J. J., Takahashi, M., Furukawa, F., Toyoda, K., Hasegawa, R., Sato, H., and Hayashi, Y. Long-term in vivo carcinogenicity study of phenytoin (5,5-diphenylhydantoin) in F344 rats. *Food Chem. Toxicol.* 25: 697-702(1987).
 32. Kato, T., Ohgaki, H., Hasegawa, H., Sato, S., Takayama, S., and Sugimura, T. Carcinogenicity in rats of a mutagenic compound, 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline. *Carcinogenesis* 9: 71-73(1988).
 33. Koepke, S. R., Creasia, D. R., Knutsen, G. L., and Michejda, C. J. Carcinogenicity of hydroxyalkylnitrosamines in F344 rats: Contrasting behavior of β - and γ -hydroxylated nitrosamines. *Cancer Res.* 48: 1533-1536(1988).
 34. Kuper, C. F., Reuzel, P. G. J., Feron, V. J., and Verschuuren, H. Chronic inhalation toxicity and carcinogenicity study of propylene oxide in Wistar rats. *Food Chem. Toxicol.* 29: 159-167(1988).
 35. Kuroda, K., Terao, K., and Akao, M. Inhibitory effect of fumaric acid on hepatocarcinogenesis by thioacetamide in rats. *J. Nat. Cancer Inst.* 79: 1047-1051(1987).
 36. Kurokawa, Y., Aoki, S., Matsushima, Y., Takamura, N., Imazawa, T., and Hayashi, Y. Dose-response studies on the carcinogenicity of potassium bromate in F344 rats after long-term oral administration. *J. Nat. Cancer Inst.* 77: 977-982(1986).
 37. Kurokawa, Y., Matsushima, Y., Takamura, N., Imazawa, T., and Hayashi, Y. Relationship between the duration of treatment and the incidence of renal cell tumors in male F344 rats administered potassium bromate. *Jpn. J. Cancer Res.* 78: 358-364(1987).
 38. Lee, K. P., Chromey, N. C., Culik, R., Barnes, J. R., and Schneider, P. W. Toxicity of *N*-methyl-2-pyrrolidone (NMP): Teratogenic, subchronic, and two-year inhalation studies. *Fundam. Appl. Toxicol.* 9: 222-235(1987).
 39. Leonard, T. B., Graichen, M. E., and Popp, J. A. Dinitrotoluene isomer-specific hepatocarcinogenesis in F344 rats. *J. Nat. Cancer Inst.* 79: 1313-1319(1987).
 40. Lijinsky, W., Kovatch, R. M., and Singer, S. S. Carcinogenesis in F-344 rats induced by nitrosohydroxyalkylchloroethylureas. *Cancer Res. Clin. Oncol.* 112: 221-228(1986).
 41. Lijinsky, W., and Kovatch, R. M. Chronic toxicity study of cyclohexanone in rats and mice. *J. Nat. Cancer Inst.* 77: 941-949(1986).
 42. Lijinsky, W., and Kovatch, R. M. Carcinogenesis by nitrosohydroxyethylurea and nitrosomethoxyethylurea in F344 rats. *Jpn. J. Cancer Res.* 79: 181-186(1988).
 43. Lijinsky, W., Kovatch, R. M., Keefer, L. K., Saavedra, J. E., Hansen, T. J., Miller, A. J., and Fiddler, W. Carcinogenesis in rats by cyclic *N*-nitrosamines containing sulphur. *Food Chem. Toxicol.* 26: 3-7(1988).
 44. Lijinsky, W., Kovatch, R. M., and Riggs, C. W. Carcinogenesis by nitrosodialkylamines and azoxyalkanes given by gavage to rats and hamsters. *Cancer Res.* 47: 3968-3972(1987).
 45. Lijinsky, W., Kovatch, R. M., Riggs, C. W., and Walters, P. T. Dose response study with *N*-nitrosomorpholine in drinking water of F-344 rats. *Cancer Res.* 48: 2089-2095(1988).
 46. Lijinsky, W., and Reuber, M. D. Chronic carcinogenesis studies of acrolein and related compounds. *Toxicol. Ind. Health* 3: 337-345(1987).
 47. Lijinsky, W., and Reuber, M. D. Pathologic effects of chronic administration of hydrochlorothiazide, with and without sodium nitrite, to F344 rats. *Toxicol. Ind. Health* 3: 413-422(1987).
 48. Maeda, T., Sano, N., Toge, K., Shibata, M., Izumi, K., and Otsuka, H. Lack of carcinogenicity of phenytoin in (C57BL/6 \times C3H)F₁ mice. *J. Toxicol. Environ. Health* 24: 111-119(1988).
 49. Maekawa, A., Matsuoka, C., Onodera, H., Tanigawa, H., Furuta, K., Kanno, J., Jang, J. J., Hayashi, Y., and Ogiu, T. Lack of carcinogenicity of tartrazine (FD & C Yellow No. 5) in the F344 rat. *Food Chem. Toxicol.* 25: 891-896(1987).
 50. Maekawa, A., Onodera, H., Tanigawa, H., Furuta, K., Kanno, J., Matsuoka, C., Ogiu, T., and Hayashi, Y. Long-term studies on carcinogenicity and promoting effect of phenylbutazone in Donryu rats. *J. Nat. Cancer Inst.* 79: 577-584(1987).
 51. Maltoni, C. Early results of the experimental assessments of the carcinogenic effects of one epoxy solvent: styrene oxide. *Adv. Mod. Environ. Toxicol.* 2: 97-110(1981).
 52. Maltoni, C., Ciliberti, A., Cotti, G., and Perino G. Long-term carcinogenicity bioassays on acrylonitrile administered by inhalation and by ingestion to Sprague-Dawley rats. *Ann. N. Y. Acad. Sci.* 534: 179-202(1988).
 53. Maltoni, C., Conti, B., Perino, G., and Di Maio, V. Further evidence of benzene carcinogenicity; results on Wistar rats and mice treated by injection. *Ann. N. Y. Acad. Sci.* 534: 412-426(1988).
 54. Maltoni, C., and Cotti, G. Carcinogenicity of vinyl chloride in Sprague-Dawley rats after prenatal and postnatal exposure. *Ann. N. Y. Acad. Sci.* 534: 145-159(1988).
 55. Maltoni, C., Cotti, G., and Perino, G. Long-term carcino-

- genicity bioassays on methylene chloride administered by ingestion to Sprague-Dawley rats and Swiss mice and by inhalation to Sprague-Dawley rats. *Ann. N. Y. Acad. Sci.* 534: 352-366(1988).
56. Maltoni, C., Lefemine, G., Tovoli, D., and Perino, G. Long-term carcinogenicity bioassays on three chlorofluorocarbons (trichlorofluoromethane, FC11; dichlorodifluoromethane, FC12; chlorodifluoromethane, FC22) administered by inhalation to Sprague-Dawley rats and Swiss mice. *Ann. N. Y. Acad. Sci.* 534: 261-282(1988).
 57. Markiewicz, V. R., Saunders, L. Z., Geus, R. J., Payne, B. J., and Hook, J. B. Carcinogenicity study of auranofin, an orally administered gold compound, in mice. *Fundam. Appl. Toxicol.* 11: 277-284(1988).
 58. McManus, B. M., Toth, B., and Patil, K. D. Aortic rupture and aortic smooth muscle tumors in mice: Induction by *p*-hydrazinobenzoic acid hydrochloride of the cultivated mushroom *Agaricus bisporus*. *Lab. Invest.* 57: 78-85(1987).
 59. Mirvish, S. S., Weisenburger, D. D., Salmasi, S., and Kaplan, P. A. Carcinogenicity of 1-(2-hydroxyethyl)-1-nitrosourea and 3-nitroso-2-oxazolidinone administered in drinking water to male MRC-Wistar rats: Induction of bone, hematopoietic, intestinal, and liver tumors. *J. Nat. Cancer Inst.* 78: 387-393(1987).
 60. Mizutani, T., and Mitsuoka, T. Effect of dietary phenobarbital on spontaneous hepatic tumorigenesis in germfree C3H/He male mice. *Cancer Lett.* 39: 233-237(1988).
 61. Mori, H., Sugie, S., Yoshimi, N., Kuniyasu, T., Iwata, H., Kawai, K., and Hamasaki, T. Potential carcinogenicity of 5,6-dimethoxysterigmatocystin in rats. *Carcinogenesis* 9: 1039-1042 (1988).
 62. Nera, E. A., Iverson, F., Lok, E., Armstrong, C. L., Karpinski, K., and Clayson, D. B. A carcinogenesis reversibility study of the effects of butylated hydroxyanisole on the forestomach and urinary bladder in male Fischer 344 rats. *Toxicology* 53: 251-268 (1988).
 63. Nitschke, K. D., Burek, J. D., Bell, T. J., Kociba, R. J., Rampy, L. W., and McKenna, M. J. Methylene chloride: A 2-year inhalation toxicity and oncogenicity study in rats. *Fundam. Appl. Toxicol.* 11: 48-59(1988).
 64. Nonoyama, T., Fullerton, F., Reznik, G., Bucci, T. J., and Ward, J. M. Mouse hepatoblastomas: A histologic, ultrastructural, and immunohistochemical study. *Pathol. Vet.* 25: 286-296(1988).
 65. Ohgaki, H., Hasegawa, H., Suenaga, M., Sato, S., Takayama, S., and Sugimura, T. Carcinogenicity in mice of a mutagenic compound, 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline (MeIQx) from cooked foods. *Carcinogenesis* 8: 665-668(1987).
 66. Owen, P. E., Glaister, J. R., Gaunt, I. F., and Pullinger, D. H. Inhalation toxicity studies with 1,3-butadiene 3 two year toxicity/carcinogenicity study in rats. *Am. Ind. Hyg. Assoc. J.* 48: 407-413(1987).
 67. Port, C. D., Dodd, D. C., Deslex, P., Regnier, B., Sanders, P., and Indacochea-Redmond, N. Twenty-one month evaluation of misoprostol for carcinogenicity in CD-1 mice. *Toxicol. Pathol.* 15: 134-142(1987).
 68. Quast, J. F., Calhoun, L. L., and Frauson, L. E. 1,1,1-trichloroethane formulation: A chronic inhalation toxicity and oncogenicity study in Fischer 344 rats and B6C3F₁ mice. *Fundam. Appl. Toxicol.* 11: 611-625(1988).
 69. Rao, M. S., Dwivedi, R. S., Subbarao, V., and Reddy, J. K. Induction of peroxisome proliferation and hepatic tumours in C57BL/6N mice by ciprofibrate, a hypolipidaemic compound. *Br. J. Cancer* 58: 46-51(1988).
 70. Rao, M. S., Usuda, N., Subbarao, V., and Reddy, J. K. Absence of γ -glutamyl transpeptidase activity in neoplastic lesions induced in the liver of male F-344 rats by di-(2-ethylhexyl)phthalate, a peroxisome proliferator. *Carcinogenesis* 8: 1347-1350(1987).
 71. Rivenson, A., Hoffmann, D., Prokopczyk, B., Amin, S., and Hecht, S. S. Induction of lung and exocrine pancreas tumors in F344 rats by tobacco-specific and areca-derived *N*-nitrosamines. *Cancer Res.* 48: 6912-6917(1988).
 72. Rosenkrantz, H., and Fleischman, R. W. In vivo carcinogenesis assay of DL-methadone.HCl in rodents. *Fundam. Appl. Toxicol.* 11: 640-651(1988).
 73. Rosenkrantz, H., and Fleischman, R. W. In vivo carcinogenesis assay of *l*- α -acetylmethadol.HCl in rodents. *Fundam. Appl. Toxicol.* 11: 626-639(1988).
 74. Soffritti, M., Maltoni, C., Maffei, F., and Biagi, R. Formaldehyde: An experimental multipotential carcinogen. *Toxicol. Ind. Health* 5: 699-730(1989).
 75. Stenback, F., Weisenburger, J. H., and Williams, G. M. Effect of lifetime administration of dimethylaminoethanol on longevity, aging changes, and cryptogenic neoplasms in C3H mice. *Mech. Ageing Dev.* 42: 129-138(1988).
 76. Toge, K., Sano, N., Maeda, T., Shibata, M., and Otsuka, H. Carcinogenicity of bucetin in (C57BL/6 \times C3H)F₁ mice. *J. Nat. Cancer Inst.* 79: 1151-1158(1987).
 77. Toth, B. Carcinogenesis by *N*2-[γ -L(+)-glutamyl]-4-carboxy-phenylhydrazine of *Agaricus bisporus* in mice. *Anticancer Res.* 6: 917-920(1986).
 78. Toth, B., and Raha, C. R. Carcinogenesis by pentanal methylformylhydrazone of *Gyromitra esculenta* in mice. *Mycopathologia* 98: 83-89(1987).
 79. Trochimowicz, H. J., Rusch, G. M., Chiu, T., and Wood, C. K. Chronic inhalation toxicity/carcinogenicity study in rats exposed to Fluorocarbon 113 (FC-113). *Fundam. Appl. Toxicol.* 11: 68-75(1988).
 80. Truhaut, R., Le Bourhis, B., Attia, M., Glomot, R., Newman, J., and Caldwell, J. Chronic toxicity/carcinogenicity study of trans-anethole in rats. *Food Chem. Toxicol.* 27: 11-19(1989).
 81. Walker, R. F., Weideman, C. A., and Wheeldon, E. B. Reduced disease in aged rats treated chronically with ibopamine, a catecholaminergic drug. *Neurobiol. Aging* 9: 291-301(1988).
 82. Wolff, G. L., Roberts, D. W., Morrissey, R. L., Greenman, D. L., Allen, R. R., Campbell, W. L., Bergman, H., Nesnow, S., and Frith, C. H. Tumorigenic responses to lindane in mice: Potentiation by a dominant mutation. *Carcinogenesis* 8: 1889-1897(1987).
 83. Woutersen, R. A., Appelman, L. M., Van Gardenen-Hoetmer, A., and Feron, V. J. Inhalation toxicity of acetaldehyde in rats. III. Carcinogenicity study. *Toxicology* 41: 213-231(1986).
 84. Woutersen, R. A., and Feron, V. J. Inhalation toxicity of acetaldehyde in rats. IV. progression and regression of nasal lesions after discontinuation of exposure. *Toxicology* 47: 295-305(1987).

APPENDIX 13

Bibliography: National Cancer Institute/
National Toxicology Program Technical Reports

| CHEMICAL NAME | TECHNICAL REPORT NUMBER | PUBLICATION DATE |
|---|----------------------------|---------------------|
| 2-AMINO-4-NITROPHENOL | 339 | 1988 |
| 2-AMINO-5-NITROPHENOL | 334 | 1988 |
| BENZOFURAN | 370 | 1989 |
| BENZYL ALCOHOL | 343 | 1989 |
| BORIC ACID | 324 | 1987 |
| BROMODICHLOROMETHANE | 321 | 1987 |
| BROMOETHANE | 363 | 1989 |
| PARA-CHLOROANILINE HYDROCHLORIDE | 351 | 1989 |
| CHLOROETHANE | 346 | 1989 |
| 2,4-DICHLOROPHENOL | 353 | 1989 |
| DICHLORVOS | 342 | 1989 |
| DIMETHOXANE | 354 | 1989 |
| DIMETHYL METHYLPHOSPHONATE | 323 | 1987 |
| N,N-DIMETHYLANILINE | 360 | 1989 |
| DIPHENHYDRAMINE HYDROCHLORIDE | 355 | 1989 |
| 1,2-EPOXYBUTANE | 329 | 1988 |
| ERYTHROMYCIN STEARATE | 338 | 1988 |
| ETHYLENE OXIDE | 326 | 1987 |
| FUROSEMIDE | 356 | 1989 |
| FOOD GRADE GERANYL ACETATE (71% GERANYL ACETATE, 29% CITRONELLYL ACETATE) | 252 | 1987 |
| HEXACHLOROETHANE | 361 | 1989 |
| 4-HEXYLRESORCINOL | 330 | 1988 |
| HYDROCHLOROTHIAZIDE | 357 | 1989 |
| HYDROQUINONE | 366 | 1989 |
| MALONALDEHYDE, SODIUM SALT | 331 | 1988 |
| 2-MERCAPTOBENZOTHAZOLE | 332 | 1988 |
| 8-METHOXYPORALEN | 359 | 1989 |
| METHYL CARBAMATE | 328 | 1987 |
| alpha-METHYLDOPA SESQUIHYDRATE | 348 | 1989 |
| N-METHYLOLACRYLAMIDE | 352 | 1989 |
| MONURON | 266 | 1988 |
| NALIDIXIC ACID | 368 | 1989 |
| NITROFURANTOIN | 341 | 1989 |
| NITROFUZZONE | 337 | 1988 |
| OCHRATOXIN A | 358 | 1989 |
| C.I. ACID ORANGE 3 | 335 | 1988 |
| C.I. ACID ORANGE 10 | 211 | 1987 |
| PENICILLIN VK | 336 | 1988 |
| PENTACHLOROPHENOL, TWO TECHNICAL GRADE MIXTURES | 349 | 1989 |
| PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE | 365 | 1989 |
| N-PHENYL-2-NAPHTHYLAMINE | 333 | 1988 |
| ROTENONE | 320 | 1988 |
| ROXARSONE | 345 | 1989 |
| TETRACYCLINE HYDROCHLORIDE | 344 | 1989 |
| TRIBROMOMETHANE | 350 | 1989 |
| TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN) | 273 | 1988 |
| TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN) | 243 | 1990 |

APPENDIX 14: INDEX TO ALL CHEMICALS IN THE FIVE PLOTS OF THE CARCINOGENIC POTENCY DATABASE AND RESULTS FOR POTENCY (TD₅₀) AND POSITIVITY

Appendix 14 is both an index to chemicals in the CPDB and a tabular compilation of results on positivity and potency in rats and mice. Chemical names and common synonyms are listed alphabetically for the 1136 chemicals in the database, Chemical Abstracts Service registry (CAS) number is reported, and the plots that include experimental results on the chemical are listed by plot number.

Positivity. For each chemical, a result is reported in male rats (MR), female rats (FR), male mice (MM), and female mice (FM). If there is no experiment in the CPDB for that sex-species group, this is indicated by "NT." When all four sex-species groups are NT, the chemical was tested only in a species other than rats or mice (see footnotes "g" and "h" below). The classification of positivity is based on a positive result in at least one experiment, and we classify an experiment as either positive or negative on the basis of the author's opinion in the published paper. We use the author's opinion to determine positivity because it often takes into account more information than statistical significance alone, such as historical control rates for particular sites, survival and latency, and/or dose response. Generally, this designation by author's opinion corresponds well with the results of statistical tests for the significance of the dose-response effect. The strongest level of evidence of carcinogenicity in any experiment in the sex-species group is reported in Appendix 14 for each chemical. We indicate whether the compound was tested in each group and list the strongest level of evidence for carcinogenicity based upon any author's evaluation in either the general literature or the NCI/NTP. In the general literature, a (+) indicates a positive author's opinion, and a (-) indicates either that "no opinion" was reported for this experiment or that the opinion was negative. In the NCI/NTP the strongest evaluation is clear evidence of carcinogenicity (+). When there was no such evaluation in one of the sex-species groups, but the compound was tested by NCI/NTP and their evaluation was stronger than "no evidence of carcinogenicity" (-), we indicate whether that NCI/NTP evaluation was "some evidence of carcinogenicity" (P), "equivocal" (E) or "inadequate bioassay" (I). For older NCI/NTP tests the evaluation (A) indicates "associated with carcinogenicity," and we do not interpret this as positive. These evaluations correspond to the opinions reported in our published plots. The abbreviations for positivity in Appendix 14 are as follows:

- NT = No Test in the CPDB in this group
- + = The CPDB contains at least one experiment in which the compound was evaluated as a carcinogen by the published author. For NCI/NTP tests, the evaluation was "clear evidence of carcinogenicity."
- P = The strongest level of evidence in the CPDB was an NTP evaluation of "some evidence of carcinogenicity."
- I = No tests in the CPDB in this sex-species group were

evaluated as positive; however, the NCI/NTP test was evaluated as inadequate.

- A = The strongest level of evidence in the CPDB was an NCI/NTP evaluation of "associated with carcinogenicity."
- E = The strongest level of evidence in the CPDB was an NTP evaluation of "equivocal."
- = All tests in this group were negative.
- B+ = In the only positive test in the sex-species, results were reported only for males and females combined.
- B- = In the only test in the sex-species, results were reported only for males and females combined, and the test was negative.

Carcinogenic Potency. For the purposes of Appendix 14, TD₅₀ values for a chemical are reported only for a species with a positive evaluation of carcinogenicity in at least one test. In any given positive experiment we select the lowest TD₅₀ value from among positively evaluated target sites with a statistically significant dose response (two-tailed $p < 0.1$). If no positive sites have a significant dose response, then we select the most potent (lowest TD₅₀ from among positively evaluated sites with $p \geq 0.1$). This method provides a single TD₅₀ to represent an experiment. For chemicals with more than one positive experiment, we summarize potency in a species by selecting the lowest significant TD₅₀ value from among those representing each experiment. If none is significant, the lowest is chosen from among the non-significant values with a positive author's opinion (see footnote "b" below). In some experiments, no TD₅₀ could be estimated because all dosed animals had the tumor of interest, and the only data available were for crude percentages of animals with a tumor. For these cases we use the 99% upper confidence limit of TD₅₀ as a replacement for the TD₅₀.

In a series of footnotes, we provide additional information about TD₅₀ values and test results in the CPDB. These are as follows:

- a = The CPDB contains more than one positive test in the species.
- b = The reported TD₅₀ is not statistically significant (i.e., $p \geq 0.1$), and all results evaluated as positive in the species are not significant.
- c = Only an upper bound and no TD₅₀ could be estimated because all dosed animals had the tumor of interest and only summary data were available. The reported value is the 99% upper confidence limit.
- d = All positive results for this species in the CPDB are from tests in which the compound was administered by either IP or IV injection.
- e = The reported TD₅₀ from a test in which the compound was administered by IP or IV injection; however, the CPDB also contains a positive test in this species

- f = with a less potent TD₅₀ value from a test where the route was oral or inhalation.
- f = TD₅₀ values from different significant, positive experiments in this species vary by more than 10-fold from one another. The most potent TD₅₀ value is reported here.
- g = The CPDB includes tests in a species other than rats or mice, and at least one test is positive.
- h = The CPDB includes tests in a species other than rats or mice, and all tests are negative.
- i = Data on four NCI bioassays are included in Appendix 14 but are excluded from the analyses and tables in this and previous papers: C.I. Direct Black 38, C.I. Direct Blue 6, and C.I. Direct Brown 95, were only tested subchronically; 3-Amino-9-ethylcarbazole•HCL and 3-amino-9-ethylcarbazole mixture were tested by NCI in one bioassay but we separated them in the CPDB because slightly different chemicals were used for different dose groups; we combined them for our analyses, as NCI had done.

The experimental results used in Appendix 14 appear in the five plots of the CPDB:

- 1 = Gold, L. S., Sawyer, C. B., Magaw, R., Backman, G. M., de Veciana, M., Levinson, R., Hooper, N. K., Havender, W. R., Bernstein, L., Peto, R., Pike, M.

- 2 = C., and Ames, B. N. A carcinogenic potency database of the standardized results of animal bioassays. *Environ. Health Perspect.* 58: 9–319 (1984).
- 2 = Gold, L. S., de Veciana, M., Backman, G. M., Magaw, R., Lopipero, P., Smith, M., Blumenthal, M., Levinson, R., Bernstein, L., and Ames, B. N. Chronological supplement to the carcinogenic potency database: standardized results of animal bioassays published through December 1982. *Environ. Health Perspect.* 67: 161–200 (1986).
- 3 = Gold, L. S., Slone, T. H., Backman, G. M., Magaw, R., Da Costa, M., Lopipero, P., Blumenthal, M., and Ames, B. N. Second Chronological Supplement to the Carcinogenic Potency Database: Standardized Results of Animal Bioassays Published through December 1984 and by the National Toxicology Program through May 1986. *Environ. Health Perspect.* 74: 237–329 (1987).
- 4 = Gold, L. S., Slone, T. H., Backman, G. M., Eisenberg, S., Da Costa, M., Wong, M., Manley, N. B., Rohrbach, L., and Ames, B. N. Third chronological supplement to the Carcinogenic Potency Database: standardized results of animal bioassays published through December 1986 and by the National Toxicology Program through June 1987. *Environ. Health Perspect.* 84: 215–285 (1990).
- 5 = This publication.

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|--------|------------|---|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | NT | - | - | NT | NT | 1 | --- | ALKYLBENZENESULFONATE, LINEAR | |
| - | NT | - | - | NT | NT | 4 | mixture | ALKYLDIMETHYLAMINE OXIDES, COMMERCIAL GRADE | |
| - | NT | - | - | NT | NT | 3 | 97-59-6 | ALLANTOIN | |
| - | NT | - | - | NT | NT | 5 | 107-18-6 | ALLYL ALCOHOL | |
| NT | - | I | I | A | A | 1 | 107-05-1 | ALLYL CHLORIDE | |
| 96 | - | + | A | - | - | 2 | 57-06-7 | ALLYL ISOTHIOCYANATE | |
| 123 | 62.8 | + | - | - | + | 3 | 2835-39-4 | ALLYL ISOVALERATE | |
| | | | | | | | | 1-ALLYL-3-METHOXY-4-HYDROXYBENZENE (see EUGENOL) | |
| NT | 30.9 ^a | NT | NT | + | + | 1 | 52207-83-7 | ALLYLHYDRAZINE.HCl | |
| | | | | | | | | ALTAX (see BENZOTHAZYL DISULFIDE) | |
| - | - | - | - | - | - | 1 | 10043-67-1 | ALUMINUM POTASSIUM SULFATE | |
| | | | | | | | | AMARANTH (see FD & C RED NO. 2) | |
| | | | | | | | | AMAX (see N-OXYDIETHYLENEBENZOTHAZOLE-2-SULFENAMIDE) | |
| 0.574 ^a | 25 ^a | + | + | + | + | 1,4 | 75104-43-7 | 2-AMINO-5-AZOTOLUENE (see o-AMINOAZOTOLUENE) | |
| | | | | | | | | 3-AMINO-1,4-DIMETHYL-5H-PYRIDO[4,3-b]INDOLE ACETATE | |
| | | | | | | | | 4-AMINO-2,3-DIMETHYLAZOBENZENE (see o-AMINOAZOTOLUENE) | |
| NT | 10.7 ^a | NT | NT | + | + | 4 | 77094-11-2 | 2-AMINO-3,4-DIMETHYLIMIDAZO[4,5-f]QUINOLINE | |
| 1.26 ^a | 14.2 ^a | + | + | + | + | 5 | 77500-04-0 | 2-AMINO-3,8-DIMETHYLIMIDAZO[4,5-f]QUINOXALINE | |
| - | 2070 | - | - | + | - | 1 | 17026-81-2 | 3-AMINO-4-ETHOXYACETANILIDE | |
| 28.1 ^a | 33 ^a | + | + | + | + | 1 | 6109-97-3 | 3-AMINO-9-ETHYL CARBAZOLE.HCl | |
| 11.8 ^a | 30.5 ^a | + | + | + | + | 1 | mixture | 3-AMINO-9-ETHYL CARBAZOLE MIXTURE | |
| | | | | | | | | 4-AMINO-3-HYDROXYBIPHENYL (see 3-HYDROXY-4-AMINOBIPHENYL) | |
| | | | | | | | | 4-AMINO-N10-METHYL-PTEROYLGLUTAMIC ACID (see METHOTREXATE) | |
| NT | 15.6 ^a | NT | NT | + | + | 3 | 68006-83-7 | 2-AMINO-3-METHYL-9H-PYRIDO-[2,3-b]-INDOLE | |
| 5.32 | 6.81 ^{af} | - | + | + | + | 1 | 72254-58-1 | 3-AMINO-1-METHYL-5H-PYRIDO[4,3-b]INDOLE ACETATE | |
| 34.1 ^a | 174 | + | + | - | + | 1 | 82-28-0 | 1-AMINO-2-METHYLANTHRAQUINONE | |
| 3.25 ^a | 5.08 ^a | + | + | + | + | 3 | 67730-11-4 | 2-AMINO-6-METHYLDIPYRIDO[1,2-a:3',2'-d]IMIDAZOLE | |
| 3.57 ^a | 17.5 ^a | + | + | + | + | 3,4 | 76180-96-6 | 2-AMINO-3-METHYLIMIDAZO[4,5-f]QUINOLINE | |
| 3.29 | NT | NT | + | NT | NT | 4 | --- | 2-AMINO-3-METHYLIMIDAZO[4,5-f]QUINOLINE.HCl | |
| 3.67 | NT | NT | + | NT | NT | 1 | 3775-55-1 | 2-AMINO-5-(5-NITRO-2-FURYL)-1,3,4-OXADIAZOLE | |
| 0.662 | NT | NT | + | NT | NT | 1 | 712-68-5 | 2-AMINO-5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOLE | |
| 5.85 | 7.87 | NT | + | NT | + | 1,2 | 38514-71-5 | 2-AMINO-4-(5-NITRO-2-FURYL)THIAZOLE | |
| NT | 105 ^a | NT | NT | + | + | 3 | 28754-68-9 | trans-5-AMINO-3[2-(5-NITRO-2-FURYL)VINYL-1,2,4-OXADIAZOLE | |
| 839 | - | P | - | - | - | 5 | 99-57-0 | 2-AMINO-4-NITROPHENOL | |
| 111 | - | P | - | - | - | 5 | 121-88-0 | 2-AMINO-5-NITROPHENOL | |
| 309 | - | + | A | - | - | 1 | 119-34-6 | 4-AMINO-2-NITROPHENOL | |
| NT | 9.95 | NT | NT | NT | + | 1 | 2104-09-8 | 2-AMINO-4-(p-NITROPHENYL)THIAZOLE | |
| 44.6 | - | A | + | - | - | 1 | 121-66-4 | 2-AMINO-5-NITROTHIAZOLE | |
| - | NT | NT | - | NT | NT | 1 | 18968-99-5 | 2-AMINO-5-PHENYL-2-OXAZOLIN-4-ONE + Mg(OH)2 | |
| NT | 35.6 ^a | NT | NT | + | + | 3 | 26148-68-5 | 2-AMINO-9H-PYRIDO(2,3-b)INDOLE | |
| 101 | 755 ^a | + | - | + | + | 1 | 117-79-3 | 2-AMINOANTHRAQUINONE | |
| 3.7 ^a | - | + | + | - | NT | 1 | 97-56-3 | o-AMINOAZOTOLUENE | |
| | | | | | | | | AMINOBENZOIC ACID (see ANTHRANILIC ACID) | |
| | | | | | | | | 4-AMINOBIPHENYL (see 4-AMINODIPHENYL) | |
| NT | 0.993 ^a | NT | NT | + | + | 1 | 92-67-1 | 4-AMINODIPHENYL | |
| 0.98 | 32.6 ^a | NT | + | + | + | 4 | 2113-61-3 | 4-AMINODIPHENYL.HCl | |
| NT | 3.36 ^{ac} | NT | NT | + | + | 1 | 3693-22-9 | 2-AMINODIPHENYLENE OXIDE | |
| 33.8 ^a | 12 ^a | + | + | + | + | 3 | 67730-10-3 | 2-AMINODIPYRIDO[1,2-a:3',2'-d]IMIDAZOLE | |
| | | | | | | | | 4-(2-AMINOETHYL)-6-DIAZO-2,4-CYCLOHEXADIENONE.HCl (see 3-DIAZOTYRAMINE.HCl) | |
| | | | | | | | | p-AMINONITROPHENOL (see 4-AMINO-2-NITROPHENOL) | |
| 8.75 ^a | 24.5 ^a | + | + | + | + | 1,3 | 61-82-5 | 3-AMINOTRIAZOLE ^h | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|----------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| 833 | - | + | - | - | - | 2 | 2432-99-7 | 11-AMINOUNDECANOIC ACID |
| NT | - | NT | NT | NT | - | 1 | 12125-02-9 | AMITROL (see 3-AMINOTRIAZOLE) |
| - | NT | - | NT | NT | NT | 1 | 3012-65-5 | AMMONIUM CHLORIDE |
| NT | - | NT | NT | - | - | 1 | 1336-21-6 | AMMONIUM CITRATE |
| - | NT | - | NT | NT | NT | 4 | 57-43-2 | AMMONIUM HYDROXIDE |
| - | - | E | - | - | - | 4 | 7177-48-2 | AMOBARBITAL |
| 0.532 ^a | NT | + | + | NT | NT | 1 | 10589-74-9 | AMPICILLIN TRIHYDRATE |
| | | | | | | | | 1-AMYL-1-NITROSOUREA |
| | | | | | | | | 1-AMYL-1-NITROSOURETHAN (see NITROSOAMYLURETHAN) |
| | | | | | | | | n-AMYLHYDRAZINE.HCl (see n-PENTYLHYDRAZINE.HCl) |
| 280 ^a | NT | + | NT | NT | NT | 4 | 9047-13-6 | AMYLOPECTIN SULFATE |
| NT | - | NT | NT | NT | - | 3 | 104-46-1 | ANETHOLE |
| NT | - | NT | NT | - | - | 1 | 15879-93-3 | ANHYDROGLUCOCHLORAL |
| - | - | - | - | - | - | 1 | 101-05-3 | ANILAZINE |
| - | NT | - | NT | NT | NT | 1 | 62-53-3 | ANILINE |
| 88 ^{af} | - | + | + | - | - | 1 | 142-04-1 | ANILINE.HCl |
| 27.8 ^a | 935 ^a | + | + | + | + | 1 | 134-29-2 | o-ANISIDINE.HCl |
| - | - | A | - | - | - | 1 | 20265-97-8 | p-ANISIDINE.HCl |
| - | - | - | - | - | - | 1 | 118-92-3 | ANTHRANILIC ACID |
| NT | - | NT | NT | - | - | 1 | 84-65-1 | 9,10-ANTHRAQUINONE |
| NT | - | NT | NT | B- | B- | 1 | 28300-74-5 | ANTIMONY POTASSIUM TARTRATE |
| | | | | | | | | ANTIMYCIN (see CITRININ) |
| | | | | | | | | ANTIPYRINE (see PHENAZONE) |
| | | | | | | | | ANTU (see 1-(1-NAPHTHYL)-2-THIOUREA) |
| | | | | | | | | APC (see ASPIRIN, PHENACETIN, AND CAFFEINE) |
| 61.8 ^a | 158 | B+ | B+ | + | - | 1 | 140-57-8 | ARAMITE |
| NT | 33.6 ^a | NT | NT | + | + | 3 | 61-94-9 | ARECOLINE.HCl |
| - | 9.58 | A | A | + | NT | 1 | 27323-18-8 | AROCLOL 1254 |
| 1.04 ^a | NT | + | + | NT | NT | 1,3 | 11096-82-5 | AROCLOL 1260 |
| - | NT | B- | B- | NT | NT | 1 | 7631-89-2 | ARSENATE, SODIUM |
| | | | | | | | | ARSENIC TRIOXIDE (see ARSENIOS OXIDE) |
| NT | - | NT | NT | - | - | 1 | 1327-53-3 | ARSENIOS OXIDE |
| - | - | B- | B- | B- | B- | 1 | 7784-46-5 | ARSENITE, SODIUM |
| - | NT | - | NT | NT | NT | 5 | 134-03-2 | L-ASCORBATE, SODIUM |
| - | - | - | - | - | - | 3 | 50-81-7 | L-ASCORBIC ACID |
| - | NT | - | - | NT | NT | 1 | 22839-47-0 | ASPARTAME |
| - | - | - | B- | - | - | 1,3,4 | 50-78-2 | ASPIRIN |
| - | - | - | - | - | - | 1 | 8003-03-0 | ASPIRIN, PHENACETIN, AND CAFFEINE |
| NT | - | NT | NT | - | - | 1 | 1912-24-9 | ATRAZINE |
| - | NT | - | - | NT | NT | 1 | 51-55-8 | ATROPINE |
| 11 | 39.2 ^a | + | NT | + | + | 1 | 2465-27-2 | AURAMINE-O |
| NT | - | NT | NT | - | - | 5 | 34031-32-8 | AURANOFIN |
| | | | | | | | | AVADEX (see DIALLATE) |
| 0.17 ^d | 0.0569 ^{ad} | + | I | + | + | 1,5 | 320-67-2 | 5-AZACYTIDINE |
| - | NT | - | NT | NT | NT | 5 | 3131-60-0 | 6-AZACYTIDINE |
| 0.793 ^d | NT | B+ | B+ | NT | NT | 1,3 | 115-02-6 | AZASERINE |
| - | NT | NT | - | NT | NT | 3 | 446-86-6 | AZATHIOPRINE |
| - | NT | - | - | NT | NT | 1 | 26628-22-8 | AZIDE, SODIUM |
| - | - | A | - | - | - | 1 | 86-50-0 | AZINPHOSMETHYL |
| 19.2 ^a | - | + | + | - | - | 1 | 103-33-3 | AZOBENZENE |
| 0.0302 ^a | NT | + | NT | NT | NT | 3,5 | 25843-45-2 | AZOXYMETHANE |
| 2.41E-4 ^c | NT | + | NT | NT | NT | 5 | --- | 1-AZOXYPROPANE |
| 0.00268 | NT | + | NT | NT | NT | 5 | --- | 2-AZOXYPROPANE |
| - | NT | - | NT | NT | NT | 4 | 67-52-7 | BARBITURIC ACID |
| - | - | - | - | - | - | 1 | 543-80-6 | BARBIUM ACETATE |
| | | | | | | | | BCME (see BIS-(CHLOROMETHYL)ETHER) |
| | | | | | | | | BENADRYL (see DIPHENHYDRAMINE.HCl) |
| 51.1 ^a | 15.1 ^{af} | + | + | + | + | 1,3-5 | 71-43-2 | BENZENE |
| | | | | | | | | alpha-BENZENE HEXACHLORIDE (see alpha-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE) |
| NT | NT | NT | NT | NT | NT | 2 | 369-57-3 | BENZENEDIAZONIUM TETRAFLUOROBORATE ^h |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | Chemical Name |
| NT | - | NT | NT | NT | - | 1 | 5351-65-5 | BENZENESULPHONOHYDRAZIDE BENZHYDRAZIDE (see BENZOYL HYDRAZINE) |
| 1.73 | NT | B+ | B+ | NT | NT | 1 | 92-87-5 | BENZIDINE |
| NT | 8.99 ^a | NT | NT | + | + | 2,3 | 531-85-1 | BENZIDINE.2HCl |
| 0.956 | 11 | B+ | B+ | + | - | 1-3 | 50-32-8 | BENZO(a)PYRENE |
| - | NT | - | - | NT | NT | 1 | 532-32-1 | BENZOATE, SODIUM |
| 424 | 19.8 ^a | - | P | + | + | 5 | 271-89-6 | BENZOFURAN |
| - | - | - | NT | - | - | 1 | 91-76-9 | BENZOGUANAMINE |
| - | - | - | - | - | - | 2 | 119-53-9 | BENZOIN |
| NT | NT | NT | NT | NT | NT | 1 | 91-64-5 | 1,2-BENZOPYRONE ^h 1-(2'-BENZOTHAZOLYL)-3-METHYL-3-NITROSOUREA (see N-NITROSOBENZTHIAZURON) |
| NT | - | NT | NT | - | - | 1 | 120-78-5 | BENZOTHAZYL DISULFIDE |
| - | - | A | A | - | A | 1 | 95-14-7 | 1H-BENZOTRIAZOLE |
| NT | 7.35 ^a | NT | NT | + | + | 1 | 613-94-5 | BENZOYL HYDRAZINE BENZPYRENE (see BENZO(a)PYRENE) 3,4-BENZPYRENE (see BENZO(a)PYRENE) |
| - | 702 ^a | E | - | P | P | 4 | 140-11-4 | BENZYL ACETATE |
| - | - | - | - | - | - | 5 | 100-51-6 | BENZYL ALCOHOL |
| - | 49.6 ^a | - | - | + | + | 4 | 100-44-7 | BENZYL CHLORIDE BENZYL VIOLET 4B (see FD & C VIOLET NO. 1) |
| NT | 85.3 | NT | NT | - | + | 1 | 20570-96-1 | BENZYLHYDRAZINE.2HCl |
| - | - | - | - | - | - | 1 | 13510-49-1 | BERYLLIUM SULFATE BHA (see BUTYLATED HYDROXYANISOLE) BHT (see BUTYLATED HYDROXYTOLUENE) |
| NT | - | NT | NT | - | - | 1 | 92-52-4 | BIPHENYL |
| - | 1120 | - | - | A | + | 2 | 2185-92-4 | 2-BIPHENYLAMINE.HCl |
| - | 138 ^a | - | - | + | + | 1,2 | 108-60-1 | BIS(2-CHLORO-1-METHYLETHYL)ETHER |
| NT | 8.19 ^a | NT | NT | + | - | 1 | 111-44-4 | BIS-2-CHLOROETHYLEETHER |
| NT | - | NT | NT | NT | - | 1 | 13483-19-7 | BIS-1,4-(CHLOROMETHOXY)BUTANE |
| NT | 4.62 ^d | NT | NT | NT | + | 1 | 13483-18-6 | BIS-1,2-(CHLOROMETHOXY)ETHANE |
| NT | - | NT | NT | NT | - | 1 | 56894-92-9 | BIS-1,6-(CHLOROMETHOXY)HEXANE |
| NT | 3.11 ^d | NT | NT | NT | + | 1 | 56894-91-8 | BIS-1,4-(CHLOROMETHOXY)-p-XYLENE |
| 0.00357 | 0.182 ^{ac} | + | NT | + | + | 1 | 542-88-1 | BIS-(CHLOROMETHYL)ETHER |
| 3.14 | NT | + | NT | NT | NT | 1 | --- | 4-BIS(2-HYDROXYETHYL)AMINO-2-(5-NITRO-2-THIENYL)QUINAZOLINE |
| - | NT | NT | - | NT | NT | 1 | 58139-47-2 | 4-BIS(2-HYDROXYETHYL)AMINO-2-(2-THIENYL)QUINAZOLINE |
| NT | 34.5 ^a | NT | NT | + | - | 1 | 23746-34-1 | BIS-2-HYDROXYETHYLDITHIOCARBAMIC ACID, POTASSIUM N-BIS(2-HYDROXYPROPYL)NITROSAMINE (see N-NITROSOBIS(2-HYDROXYPROPYL)AMINE) 2,5-BIS(2,2,2-TRIFLUORETHOXYL)-N-(2-PIPERIDYLMETHYL) BENZAMIDE ACETATE (see FLECAINIDE ACETATE) BISMATE (see BISMUTH) DIMETHYLDITHIOCARBAMATE) |
| NT | - | NT | NT | - | - | 1 | 21260-46-8 | BISMUTH DIMETHYLDITHIOCARBAMATE |
| - | NT | B- | B- | NT | NT | 1 | 7787-59-9 | BISMUTH OXYCHLORIDE |
| - | - | - | - | - | - | 2 | 80-05-7 | BISPHENOL A |
| - | - | - | - | - | - | 1 | 2519-30-4 | BLACK PN |
| 0.945 ^a | NT | + | + | NT | NT | 1 | 1937-37-7 | C.I. DIRECT BLACK 38 |
| 1.18 ^a | NT | + | + | NT | NT | 1 | 2602-46-2 | C.I. DIRECT BLUE 6 |
| 89.3 ^a | - | + | + | E | - | 3 | 2475-45-8 | C.I. DISPERSE BLUE 1 |
| - | NT | B- | B- | NT | NT | 1 | 3844-45-9 | FD & C BLUE NO. 1 |
| - | - | B- | B- | - | - | 1,4 | 860-22-0 | FD & C BLUE NO. 2 |
| 702 | 41.3 ^a | E | P | + | + | 3,5 | 2784-94-3 | HC BLUE NO. 1 |
| - | - | - | - | - | - | 3 | 33229-34-4 | HC BLUE NO. 2 |
| NT | 70.6 ^a | NT | NT | NT | + | 5 | 2784-94-3 | HC BLUE NO. 1 (PURIFIED) BOH (see 2-HYDROXYETHYLHYDRAZINE) |
| NT | - | NT | NT | - | - | 5 | 10043-35-3 | BORIC ACID BOTRAN (see 2,6-DICHLORO-4-NITROANILINE) BRILLIANT BLACK BN (see BLACK PN) |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|--------|------------|---|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| | | | | | | | | BRILLIANT BLUE FCF (see FD & C BLUE NO. 1) |
| | | | | | | | | BRILLIANT RED (see D & C RED NO. 9) |
| 4.81 ^a | - | + | + | - | - | 1,3-5 | 7758-01-2 | BROMATE, POTASSIUM |
| NT | - | NT | NT | - | - | 4 | 17157-48-1 | BROMOACETALDEHYDE |
| 30.3 ^{af} | 28.9 ^a | + | + | + | + | 4,5 | 75-27-4 | BROMODICHLOROMETHANE |
| | | | | | | | | BROMODIETHYLACETYLUREA (see CARBROMAL) |
| 149 ^b | 535 | P | E | E | + | 5 | 74-96-4 | BROMOETHANE |
| NT | 69.7 ^a | NT | NT | + | + | 4 | --- | BROMOETHANOL |
| | | | | | | | | BROMOFORM (see TRIBROMOMETHANE) |
| 2.07 | NT | - | + | NT | NT | 1 | 16071-86-6 | C.I. DIRECT BROWN 95 |
| | | | | | | | | BSH (see BENZENESULPHONOHYDRAZIDE) |
| | | | | | | | | BUSULFAN (see MYLERAN) |
| | | | | | | | | BUTACIDE (see PIPERONYL BUTOXIDE IN SOLVENT) |
| 133 ^{af} | 28.8 ^a | + | + | + | + | 3,5 | 106-99-0 | 1,3-BUTADIENE |
| | | | | | | | | trans-2-BUTENAL (see CROTONALDEHYDE) |
| - | - | I | A | - | - | 2 | 85-68-7 | BUTYL BENZYL PHTHALATE |
| | | | | | | | | BUTYL-BUTANOL-NITROSAMINE (see N-BUTYL-N-(4-HYDROXYBUTYL)NITROSAMINE) |
| - | - | - | - | - | - | 3 | 109-69-3 | N-BUTYL CHLORIDE |
| | | | | | | | | 2,6-DI-tert-BUTYL-p-CRESOL (see BUTYLATED HYDROXYTOLUENE) |
| NT | - | NT | NT | - | - | 1 | 88-85-7 | 2-sec-BUTYL-4,6-DINITROPHENOL |
| NT | 19.2 ^a | NT | NT | + | + | 1 | --- | N-N-BUTYL-N-FORMYLHYDRAZINE |
| | | | | | | | | 2(3)-tert-BUTYL-4-HYDROXYANISOLE (see BUTYLATED HYDROXYANISOLE) |
| NT | - | NT | NT | - | - | 4 | 94-26-8 | BUTYL p-HYDROXYBENZOATE |
| 0.175 ^{af} | NT | + | NT | NT | NT | 1,3,4 | 3817-11-6 | N-BUTYL-N-(4-HYDROXYBUTYL)NITROSAMINE |
| - | NT | - | - | NT | NT | 1 | --- | DI-tert-BUTYL-4-HYDROXYMETHYL PHENOL |
| - | NT | - | NT | NT | NT | 1 | 13010-08-7 | N-BUTYL-N'-NITRO-N-NITROSOGUANIDINE |
| 0.91 ^a | NT | + | + | NT | NT | 3 | 869-01-2 | N-N-BUTYL-N-NITROSOUREA |
| | | | | | | | | BUTYL ZIMATE (see ZINC DIBUTYLDITHIOCARBAMATE) |
| 349 ^{af} | - | + | + | B- | B- | 2-5 | 25013-16-5 | BUTYLATED HYDROXYANISOLE |
| - | 368 ^a | - | - | + | - | 1,2,5 | 128-37-0 | BUTYLATED HYDROXYTOLUENE |
| NT | 38.1 ^a | NT | NT | + | + | 1 | --- | 1,1-DI-N-BUTYLHYDRAZINE |
| NT | 9.03 ^a | NT | NT | + | + | 1 | 56795-65-4 | N-BUTYLHYDRAZINE.HCl |
| NT | 34.5 ^a | NT | NT | + | + | 1 | 78776-28-0 | 1,2-DI-N-BUTYLHYDRAZINE.2HCl |
| - | - | - | - | - | - | 1 | 592-31-4 | N-BUTYLUREA |
| 13.8 | NT | NT | + | NT | NT | 1 | 3068-88-0 | beta-BUTYROLACTONE |
| | | | | | | | | CACODYLIC ACID (see DIMETHYLARSINIC ACID) |
| | | B- | B- | - | - | 1 | 543-90-8 | CADMIUM ACETATE |
| 0.0127 | NT | + | NT | NT | NT | 5 | 10108-64-2 | CADMIUM CHLORIDE |
| - | NT | - | - | NT | NT | 1 | 35658-65-2 | CADMIUM CHLORIDE MONOHYDRATE |
| NT | - | NT | NT | - | - | 1 | 14239-68-0 | CADMIUM DIETHYLDITHIOCARBAMATE |
| - | - | - | NT | - | NT | 1 | 7790-84-3 | CADMIUM SULPHATE (1:1) HYDRATE (3:8) |
| - | - | - | - | - | - | 1-3 | 58-08-2 | CAFFEINE |
| | | | | | | | | CAFFEINE, ASPIRIN, AND PHENACETIN (see ASPIRIN, PHENACETIN, AND CAFFEINE) |
| NT | 39.6 ^b | NT | NT | NT | + | 1 | 50-14-6 | CALCIFEROL |
| - | NT | - | NT | NT | NT | 4 | 62-54-4 | CALCIUM ACETATE |
| | | | | | | | | CALCIUM CYANAMIDE (see CYANAMIDE, CALCIUM) |
| - | - | - | - | - | - | 2 | 105-60-2 | CAPROLACTAM |
| NT | 89.4 ^a | NT | NT | + | + | 3 | 2425-06-1 | CAPTAFOF |
| - | - | - | - | A | A | 1 | 133-06-2 | CAPTAN |
| | | | | | | | | CAPTAX (see 2-MERCAPTOBENZOTHAZOLE) |
| NT | 223 ^a | NT | NT | + | + | 1 | 563-41-7 | CARBAMYL HYDRAZINE.HCl |
| NT | 155 ^a | NT | NT | + | + | 1 | 103-03-7 | 1-CARBAMYL-2-PHENYLHYDRAZINE |
| - | NT | - | - | NT | NT | 1 | 121-59-5 | CARBARSONE |
| 14.1 | - | B+ | B+ | - | - | 1 | 63-25-2 | CARBARYL |
| NT | 102 ^a | NT | NT | + | + | 2 | 86-74-8 | CARBAZOLE |
| 0.765 ^{abc} | 127 ^a | + | + | + | + | 1,3 | 56-23-5 | CARBON TETRACHLORIDE |
| 2.3 ^{af} | NT | + | + | NT | NT | 1,3 | 60391-92-6 | CARBOXYMETHYLNITROSOUREA |
| - | - | - | - | - | - | 1 | 77-65-6 | CARBROMAL |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| | | | | | | | | CARMOISINE (see C.I. FOOD RED 3) |
| 1490 ^a | NT | + | B+ | NT | NT | 1,2 | --- | CAROB SEED GUM (see LOCUST BEAN GUM) |
| - | NT | - | - | NT | NT | 1 | 9000-07-1 | CARRAGEENAN, ACID-DEGRADED |
| 257 | NT | + | NT | NT | NT | 4,5 | 120-80-9 | CARRAGEENAN, NATIVE ^h |
| | | | | | | | | CATECHOL |
| | | | | | | | | CCC (see (2-CHLOROETHYL)TRIMETHYLAMMONIUM CHLORIDE) |
| | | | | | | | | CDT (see SIMAZINE) |
| | | | | | | | | CELLULOSE CARBOXYMETHYL ETHER, SODIUM (see EDIFAS B) |
| NT | - | NT | NT | B- | B- | 1 | 474-25-9 | CHENODEOXYCHOLIC ACID |
| | | | | | | | | alpha-CHLORALOSE (see ANHYDROGLUCOCHLORAL) |
| - | 5230 | - | - | A | + | 1 | 133-90-4 | CHLORAMBEN |
| 0.657 ^a | 0.097 ^{ad} | + | + | + | + | 1,4 | 305-03-3 | CHLORAMBUCIL |
| - | NT | NT | - | NT | NT | 1 | 56-75-7 | CHLORAMPHENICOL |
| NT | - | NT | NT | - | - | 1 | 118-75-2 | CHLORANIL |
| | | | | | | | | 4-CHLORANILIC (see p-CHLOROANILINE) |
| - | 2.15 ^a | - | - | + | + | 1,2 | 57-74-9 | CHLORDANE |
| | | | | | | | | CHLORDECONE (see KEPONE) |
| 25.4 ^a | 141 | + | + | + | - | 4 | 115-28-6 | CHLORENDIC ACID |
| | | | | | | | | CHLORFENSON (see p-CHLOROPHENYL-p-CHLOROBENZENE SULFONATE) |
| 110 ^a | 86.8 ^a | + | + | + | + | 3 | 63449-39-8 | CHLORINATED PARAFFINS (C12, 60% CHLORINE) |
| - | 6540 | - | E | + | E | 3 | 63449-39-8 | CHLORINATED PARAFFINS (C23, 43% CHLORINE) |
| NT | - | NT | NT | - | - | 4 | 56802-99-4 | CHLORINATED TRISODIUM PHOSPHATE |
| - | NT | B- | B- | NT | NT | 1 | 7782-50-5 | CHLORINE |
| NT | - | NT | NT | NT | - | 1 | 302-22-7 | CHLORMADINONE ACETATE |
| 37.6 | 346 | + | NT | - | + | 1 | 101-79-1 | 4-CHLORO-4'-AMINODIPHENYLETHER |
| 4.85 | NT | + | NT | NT | NT | 1 | 37087-94-8 | 2-CHLORO-5-(3,5-DIMETHYLPYPERIDINOSULPHONYL) BENZOIC ACID |
| | | | | | | | | 1-CHLORO-2,4-DINITROBENZENE |
| 68.7 ^a | 73.5 ^a | + | + | + | + | 4 | 563-47-3 | 3-CHLORO-2-METHYLPROPENE, TECHNICAL GRADE (CONTAINING 5% DIMETHYLVINYL CHLORIDE) |
| - | 108 ^a | - | NT | + | + | 1 | 88-73-3 | 1-CHLORO-2-NITROBENZENE |
| - | 430 ^a | - | NT | + | + | 1 | 100-00-5 | 1-CHLORO-4-NITROBENZENE |
| 315 | 1230 | + | - | - | + | 1 | 5131-60-2 | 4-CHLORO-m-PHENYLENEDIAMINE |
| 197 ^a | 957 ^a | + | + | + | + | 1 | 95-83-0 | 4-CHLORO-o-PHENYLENEDIAMINE |
| - | - | - | - | - | - | 1 | 61702-44-1 | 2-CHLORO-p-PHENYLENEDIAMINE SULFATE |
| | | | | | | | | alpha-CHLORO TOLUENE (see BENZYL CHLORIDE) |
| - | - | - | - | - | - | 1 | 95-74-9 | 3-CHLORO-p-TOLUIDINE |
| - | 134 ^a | - | - | + | + | 1 | 95-79-4 | 5-CHLORO-o-TOLUIDINE |
| - | 15.4 ^{af} | - | - | + | + | 1 | 3165-93-3 | 4-CHLORO-o-TOLUIDINE.HCl |
| 60 ^a | NT | + | + | NT | NT | 3 | 75-88-7 | 2-CHLORO-1,1,1-TRIFLUOROETHANE |
| 7.47 ^{ac} | 10.8 ^c | + | NT | + | NT | 1,3 | 50892-23-4 | [4-CHLORO-6-(2,3-XYLIDINO)-2-PYRIMIDINYLTHIO] ACETIC ACID |
| 6.49 | 44.6 | + | NT | NT | + | 1 | --- | 4-CHLORO-6-(2,3-XYLIDINO)-2-PYRIMIDINYLTHIO(N-beta-HYDROXYETHYL)ACETAMIDE |
| NT | - | NT | NT | - | - | 1 | 107-20-0 | CHLOROACETALDEHYDE |
| - | - | - | - | - | A | 1 | 140-49-8 | 4'-(CHLOROACETYL)-ACETANILIDE |
| - | - | A | - | A | A | 1 | 106-47-8 | p-CHLOROANILINE |
| 7.62 | 89.5 | + | E | P | - | 5 | 20265-96-7 | p-CHLOROANILINE.HCl |
| 247 | - | P | - | - | - | 3 | 108-90-7 | CHLOROBENZENE |
| - | 43.8 ^{af} | - | - | + | + | 1 | 510-15-6 | CHLOROBENZILATE |
| - | 139 | - | - | I | P | 3 | 124-48-1 | CHLORODIBROMOMETHANE |
| - | - | - | - | - | - | 5 | 75-45-6 | CHLORODIFLUOROMETHANE |
| - | 1810 | E | E | I | + | 5 | 75-00-3 | CHLOROETHANE |
| | | | | | | | | 2-[3-(2-CHLOROETHYL)-3-NITROSOUREIDO]-D-GLUCOPYRANOSE (see CHLOROZOTOCIN) |
| - | - | - | - | - | - | 1 | 999-81-5 | (2-CHLOROETHYL)TRIMETHYLAMMONIUM CHLORIDE |
| 26.5 ^a | NT | + | + | NT | NT | 3 | 593-70-4 | CHLOROFUOROMETHANE |
| 119 ^a | 48 ^a | + | + | + | + | 1,4 | 67-66-3 | CHLOROFORM ^h |
| 5.5 | NT | + | NT | NT | NT | 1 | 107-30-2 | CHLOROMETHYL METHYL ETHER ^g |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | - | - | - | - | - | 1 | 6959-47-3 | 2-(CHLOROMETHYL)PYRIDINE.HCl | |
| 433 | 161 ^a | + | - | + | + | 1 | 6959-48-4 | 3-(CHLOROMETHYL)PYRIDINE.HCl CHLOROMYCETIN (see CHLORAMPHENICOL) p-CHLORONITROBENZENE (see 1-CHLORO-4-NITROBENZENE) | |
| NT | - | NT | NT | - | - | 1 | 80-33-1 | p-CHLOROPHENYL-p-CHLOROBENZENE SULFONATE | |
| 86.3 | - | + | - | - | - | 1,5 | 150-68-5 | 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA | |
| 8.78 | NT | + | NT | NT | NT | 1 | 10473-70-8 | 1-(4-CHLOROPHENYL)-1-PHENYL-2-PROPYNYL CARBAMATE | |
| - | NT | - | - | NT | NT | 1 | 2227-13-6 | p-CHLOROPHENYL-2,4,5-TRICHLOROPHENYL SULFIDE 1-(p-CHLOROPHENYLSULFONYL)-3-PROPYLUREA (see CHLORPROPAMIDE) | |
| NT | - | I | I | - | - | 1 | 76-06-2 | CHLOROPICRIN | |
| NT | 12.9 | NT | NT | - | + | 1 | 683-50-1 | 2-CHLOROPROPANAL CHLOROPROPENE (see ALLYL CHLORIDE) | |
| NT | 5.05 | NT | NT | - | + | 1 | 590-21-6 | 1-CHLOROPROPENE | |
| 2080 ^a | - | + | + | - | - | 1 | 1897-45-6 | CHLOROTHALONIL CHLOROWAX 40 (see CHLORINATED PARAFFINS (C23, 43% CHLORINE)) CHLOROWAX 500c (see CHLORINATED PARAFFINS (C12, 60% CHLORINE)) | |
| 0.0241 ^{ad} | NT | + | + | NT | NT | 1 | 54749-90-5 | CHLOROZOTOCIN | |
| - | - | - | - | - | - | 3,4 | 113-92-8 | CHLORPHENIRAMINE MALEATE | |
| - | - | - | - | - | - | 1 | 94-20-2 | CHLORPROPAMIDE CHLORPROPHAM (see ISOPROPYL-N-(3-CHLOROPHENYL)CARBAMATE) CHLORPYRIFOS (see O,O-DIETHYL-O-(3,5,6-TRICHLORO-2-PYRIDYL)PHOSPHOROTHIOATE) | |
| - | - | - | - | - | - | 1 | 12236-46-3 | CHOCOLATE BROWN FB | |
| NT | - | NT | NT | - | - | 1 | 4553-89-3 | CHOCOLATE BROWN HT | |
| - | NT | - | NT | NT | NT | 4 | 67-48-1 | CHOLINE CHLORIDE | |
| - | NT | B- | B- | NT | NT | 1 | 1308-38-9 | CHROMIC OXIDE PIGMENT | |
| - | - | B- | B- | - | - | 1 | 1066-30-4 | CHROMIUM (III) ACETATE | |
| 245 | 201 | + | NT | + | NT | 4 | 117-10-2 | CHRYSAZIN | |
| 7000 | 2470 ^a | + | - | + | + | 2 | 87-29-6 | CINNAMYL ANTHRANILATE CIPC (see ISOPROPYL-N-(3-CHLOROPHENYL)CARBAMATE) | |
| 1.09 ^c | 4.17 ^a | + | NT | + | NT | 3,5 | 52214-84-3 | CIPROFIBRATE | |
| 5.28 ^{ac} | NT | + | NT | NT | NT | 3 | 518-75-2 | CITRININ | |
| 0.5 | NT | B+ | B+ | NT | NT | 1 | 33979-15-6 | CLIVORINE | |
| 169 | NT | + | NT | NT | NT | 1 | 637-07-0 | CLOFIBRATE | |
| NT | - | NT | NT | NT | - | 1 | 43054-45-1 | CLOMIPHENE CITRATE | |
| - | - | - | - | I | - | 1 | 1420-04-8 | CLONITRALID | |
| 157 ^b | NT | + | NT | NT | NT | 3 | 55600-34-5 | CLOPHEN A 30 CLOPHEN A 60 (see AROCLOR 1260) CLOROX (see SODIUM HYPOCHLORITE) CMME (see CHLOROMETHYL METHYL ETHER) CMNU (see CARBOXYMETHYLNITROSOUREA) | |
| - | NT | - | NT | NT | NT | 1 | 477-30-5 | COLCEMID | |
| - | - | - | - | - | - | 3 | 65765-07-3 | COMPOUND 50-892 CONJUGATED EQUINE ESTROGENS (see PREMARIN) | |
| NT | - | NT | NT | - | - | 1 | 137-29-1 | COPPER DIMETHYLDITHIOCARBAMATE | |
| NT | - | NT | NT | - | - | 1 | 10380-28-6 | COPPER-8-HYDROXYQUINOLINE | |
| - | - | - | - | - | - | 1 | 56-72-4 | COUMAPHOS COUMARIN (see 1,2-BENZOPYRONE) | |
| 470 ^a | - | + | + | I | - | 1 | 102-50-1 | m-CRESIDINE | |
| 76.3 ^a | 44.7 ^a | + | + | + | + | 1 | 120-71-8 | p-CRESIDINE | |
| 4.2 | NT | + | NT | NT | NT | 4 | 123-73-9 | CROTONALDEHYDE CUMATE (see COPPER DIMETHYLDITHIOCARBAMATE) | |
| 5.33 ^a | 253 ^a | + | + | + | + | 1 | 135-20-6 | CUPFERRON | |
| - | - | - | - | - | - | 1 | 156-62-7 | CYANAMIDE, CALCIUM CYANO-(3-PHENOXYPHENYL)METHYL-4-CHLORO- | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| | | | | | | | | alpha-(1-METHYLETHYL) BENZENE ACETATE (see FENVALERATE) | |
| NT | NT | NT | NT | NT | NT | 1 | mixture | CYCASIN AND METHYLAZOXYMETHANOL ACETATE ⁸ | |
| - | 587 ^a | B- | B- | + | + | 1 | 139-05-9 | CYCLAMATE, SODIUM 2-CYCLO-HEXYL-CARBONYL-1,3,4,6,7,11-b- HEXAHYDRO-2-H-PYRAZINE(2,1-a)ISOQUINOLINE- 4-ONE (see PRAZIQUANTEL) | |
| NT | 23.6 | NT | NT | + | NT | 1 | 12663-46-6 | CYCLOCHLOROTINE | |
| - | - | - | - | - | - | 5 | 108-94-1 | CYCLOHEXANONE | |
| NT | - | NT | NT | - | - | 1 | 95-33-0 | N-CYCLOHEXYL-2-BENZOTHAZOLE SULFENAMIDE | |
| - | - | - | - | - | - | 1 | 4998-76-9 | CYCLOHEXYLAMINE.HCl | |
| - | - | - | - | - | - | 1 | 19834-02-7 | CYCLOHEXYLAMINE SULFATE | |
| 1.26 ^{aef} | 5.78 ^{ad} | + | + | + | + | 1,3 | 50-18-0 | CYCLOPHOSPHAMIDE | |
| 1.05 ^{ad} | - | + | + | - | - | 2 | 16170-75-5 | CYTEMBENA CYTOXAN (see CYCLOPHOSPHAMIDE) DAAB (see 4,4'-DIAMINOAZOBENZENE) DAB (see N,N-DIMETHYL-4-AMINOAZOBENZENE) DABA (see 4,4'-DIAMINOBENZANILIDE) | |
| 0.71 | 0.595 ^{ad} | NT | + | + | + | 1 | 4342-03-4 | DACARBAZINE DACONIL (see CHLOROTHALONIL) | |
| 1840 ^b | 880 ^a | - | + | + | + | 1 | 1596-84-5 | DAMINOZIDE DANTHRON (see CHRYSAZIN) | |
| 22.4 | - | + | - | - | - | 1 | 80-08-0 | DAPSONE DARAPRIN (see PYRIMETHAMINE) DBCP (see 1,2-DIBROMO-3-CHLOROPROPANE) DBM (see DIBROMOMANNITOL) DCB (see 3,3'-DICHLOROBENZIDINE) DCDD (see 2,7-DICHLORODIBENZO-p-DIOXIN) | |
| NT | - | NT | NT | - | - | 1 | 53-19-0 | o,p'-DDD | |
| - | 24.9 ^a | A | - | + | + | 1 | 72-54-8 | p,p'-DDD | |
| - | 9.45 ^a | - | - | + | + | 1,3 | 72-55-9 | p,p'-DDE ⁸ | |
| 57.2 ^a | 4.55 ^{af} | + | + | + | + | 1,3,4 | 50-29-3 | DDT ^h | |
| 2130 ^a | - | P | P | E | - | 3 | 1163-19-5 | DDVP (see DICHLORVOS) DECABROMODIPHENYL OXIDE DEGRANOL (see MANNITOL NITROGEN MUSTARD) DEHYDROACETIC ACID (see 3-ACETYL-6-METHYL-2,4- PYRANDIONE) DEN (see N-NITROSODIETHYLAMINE) 6-F-DEN (see N-NITROBIS(2,2,2-TRIFLUOROETHYL) AMINE) beta-2'-DEOXY-6-THIOGUANOSINE MONOHYDRATE (see beta-THIOGUANINE DEOXYRIBOSIDE) DES (see DIETHYLSTILBESTROL) | |
| - | NT | B- | B- | NT | NT | 1 | 131-01-1 | DESERPIDINE | |
| - | NT | - | - | NT | NT | 3 | 9004-54-0 | DEXTRAN | |
| 182 ^a | NT | + | + | NT | NT | 2,3 | 9011-18-1 | DEXTRAN SULFATE SODIUM (DS-M-1) | |
| - | NT | - | - | NT | NT | 3 | 9011-18-1 | DEXTRAN SULFATE SODIUM (DST-H) | |
| - | NT | - | - | NT | NT | 3 | 9011-18-1 | DEXTRAN SULFATE SODIUM (KMDS-H) DHAC (see 5,6-DIHYDRO-5-AZACYTIDINE) | |
| 19 | NT | NT | + | NT | NT | 1 | --- | N-1-DIACETAMIDOFLUORENE | |
| NT | - | NT | NT | - | - | 3 | 3148-73-0 | DIACETYL HYDRAZINE | |
| NT | 19.4 ^a | NT | NT | + | - | 1 | 2303-16-4 | DIALLATE | |
| - | - | - | E | A | A | 3 | 131-17-9 | DIALLYL PHTHALATE | |
| NT | 25.7 ^a | NT | NT | + | + | 3 | 5164-11-4 | 1,1-DIALLYLHYDRAZINE | |
| NT | 33.8 ^a | NT | NT | + | + | 2 | --- | 1,2-DIALLYLHYDRAZINE.2HCl | |
| 32.1 ^a | NT | + | + | NT | NT | 4 | 16338-97-9 | DIALLYLNITROSAMINE ⁸ | |
| 1.71 | NT | NT | + | NT | NT | 1 | 720-69-4 | 4,6-DIAMINO-2-(5-NITRO-2-FURYL)-s-TRIAZINE | |
| 72.6 ^a | 791 ^a | + | + | + | + | 1 | 39156-41-7 | 2,4-DIAMINOANISOLE SULFATE | |
| NT | - | NT | NT | - | - | 2 | 538-41-0 | 4,4'-DIAMINOAZOBENZENE | |
| NT | - | NT | NT | - | - | 2 | 785-30-8 | 4,4'-DIAMINOBENZANILIDE 3,3'-DIAMINOBENZIDINE.4HCl (see 3,3',4,4'- TETRAAMINOBIPHENYL.4HCl) 1,5-DIAMINONAPHTHALENE (see | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| | | | | | | | | 1,5-NAPHTHALENEDIAMINE) | |
| 1.43 ^a | 26.7 | + | + | - | + | 1 | 95-80-7 | 2,4-DIAMINOTOLUENE | |
| 4.42 | 201 ^a | + | NT | + | + | 1 | 636-23-7 | 2,4-DIAMINOTOLUENE.2HCI | |
| - | - | - | - | - | - | 2 | 15481-70-6 | 2,6-DIAMINOTOLUENE.2HCI | |
| - | - | - | - | - | - | 1 | 6369-59-1 | 2,5-DIAMINOTOLUENE SULFATE | |
| - | - | - | - | - | - | 1 | 333-41-5 | DIAZINON | |
| 37.6 | NT | + | NT | NT | NT | 5 | --- | 3-DIAZOTYRAMINE.HCI | |
| NT | 5.88 | NT | NT | + | NT | 1 | 53-70-3 | DIBENZ(a,h)ANTHRACENE | |
| - | - | - | - | - | - | 1 | 262-12-4 | DIBENZO-p-DIOXIN | |
| 2.48 | NT | + | NT | NT | NT | 1 | 4106-66-5 | 3-DIBENZOFURANAMINE | |
| - | NT | - | - | NT | NT | 4 | 35660-60-7 | O,S-DIBENZOYL THIAMINE.HCI | |
| 0.106 ^a | 1.28 ^a | + | + | + | + | 1 | 96-12-8 | 1,2-DIBROMO-3-CHLOROPROPANE DIBROMOCHLOROMETHANE (see CHLORODIBROMOMETHANE) | |
| 8.37 ^d | 9.23 ^{ad} | + | NT | + | + | 1 | 10318-26-0 | DIBROMODULCITOL | |
| 1.1 ^a | 2.34 ^{af} | + | + | + | + | 1,4 | 106-93-4 | 1,2-DIBROMOETHANE | |
| 24.9 ^{ad} | 11.4 ^{ad} | + | + | + | + | 1 | 488-41-5 | DIBROMOMANNITOL | |
| - | NT | - | - | NT | NT | 3 | 3296-90-0 | DIBROMONEOPENTYL GLYCOL | |
| - | NT | - | - | NT | NT | 2 | 34522-69-5 | 5,7-DIBROMOQUINOLINE | |
| 4.28 | NT | NT | + | NT | NT | 1 | 56654-52-5 | 1,3-DIBUTYL-1-NITROSOUREA DIBUTYLNITROSAMINE (see NITROSODIBUTYLAMINE) | |
| - | - | - | I | - | - | 1 | 1067-33-0 | DIBUTYLTIN DIACETATE DIC (see DACARBAZINE) DICHLONE (see 2,3-DICHLORO-1,4- NAPHTHOQUINONE) DICHLOREN (see NITROGEN MUSTARD) DICHLORICIDE MOTHPROOFER (see STROBANE) 3,3'-DICHLORO-4,4'-DIAMINODIPHENYLMETHANE (see 4,4'-METHYLENE-BIS(2-CHLOROANILINE)) | |
| NT | 119 | NT | NT | + | NT | 2 | 23950-58-5 | 3,5-DICHLORO(N-1,1-DIMETHYL-2-PROPYNYL) BENZAMIDE | |
| NT | - | NT | NT | NT | - | 1 | 3883-43-0 | 2,3-DICHLORO-p-DIOXANE | |
| NT | - | NT | NT | - | - | 1 | 87-56-9 | alpha,beta-DICHLORO-beta-FORMYLACRYLIC ACID | |
| NT | - | NT | NT | - | - | 1 | 2164-09-2 | 3,4'-DICHLORO-2-METHYLACRYLANILIDE 2,2'-DICHLORO-N-METHYLDIETHYLAMINE (see NITROGEN MUSTARD) | |
| NT | - | NT | NT | - | - | 1 | 117-80-6 | 2,3-DICHLORO-1,4-NAPHTHOQUINONE | |
| NT | - | NT | NT | - | - | 1 | 99-30-9 | 2,6-DICHLORO-4-NITROANILINE | |
| - | 737 ^a | - | - | + | + | 2 | 609-20-1 | 2,6-DICHLORO-p-PHENYLENEDIAMINE | |
| 3.34 ^a | 0.466 ^a | + | + | + | + | 3 | 7572-29-4 | DICHLOROACETYLENE | |
| - | - | - | - | - | - | 3 | 95-50-1 | 1,2-DICHLOROBENZENE | |
| 644 | 339 ^a | + | - | + | + | 4 | 106-46-7 | 1,4-DICHLOROBENZENE o-DICHLOROBENZENE (see 1,2-DICHLOROBENZENE) | |
| 18.3 ^a | NT | + | + | NT | NT | 1 | 91-94-1 | 3,3'-DICHLOROBENZIDINE ^B DICHLOROBROMOMETHANE (see BROMODICHLOROMETHANE) | |
| NT | 1.52 ^d | NT | NT | NT | + | 1 | 110-57-6 | trans-1,4-DICHLOROBUTENE-2 | |
| - | - | - | - | A | - | 1 | 33857-26-0 | 2,7-DICHLORODIBENZO-p-DIOXIN | |
| - | - | - | - | - | - | 5 | 75-71-8 | DICHLORODIFLUOROMETHANE | |
| - | - | - | A | - | A | 1 | 75-34-3 | 1,1-DICHLOROETHANE | |
| 5.49 ^a | 61.2 ^a | + | + | + | + | 1 | 107-06-2 | 1,2-DICHLOROETHANE DICHLOROMETHANE (see METHYLENE CHLORIDE) | |
| - | - | - | - | - | - | 5 | 120-83-2 | 2,4-DICHLOROPHENOL 2-(2,4-DICHLOROPHENOXY)PROPIONIC ACID (see alpha-(2,4-DICHLOROPHENOXY)PROPIONIC ACID) | |
| NT | - | NT | NT | - | - | 1 | 120-36-5 | alpha-(2,4-DICHLOROPHENOXY)PROPIONIC ACID | |
| NT | - | NT | NT | - | - | 1 | 6965-71-5 | alpha-(2,5-DICHLOROPHENOXY)PROPIONIC ACID | |
| NT | - | NT | NT | - | - | 1 | 94-75-7 | 2,4-DICHLOROPHENOXYACETIC ACID | |
| NT | - | NT | NT | - | - | 1 | 94-80-4 | 2,4-DICHLOROPHENOXYACETIC ACID, N-BUTYL ESTER | |
| NT | - | NT | NT | - | - | 1 | 25168-26-7 | 2,4-DICHLOROPHENOXYACETIC ACID, ISOCTYL ESTER | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| NT | - | NT | NT | - | - | 1 | 94-11-1 | 2,4-DICHLOROPHENOXYACETIC ACID, ISOPROPYL ESTER |
| NT | - | NT | NT | - | - | 1 | 330-54-1 | 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLUREA |
| NT | - | NT | NT | - | - | 1 | 97-16-5 | 2,4-DICHLOROPHENYLBENZENE SULFONATE |
| - | 229 ^a | - | E | P | P | 4 | 78-87-5 | 1,2-DICHLOROPROPANE 1,3-DICHLOROPROPENE (see TELONE II) 2-[1-(2,6-DICHLOROPHENOXY)-ETHYL]-2-IMIDAZOLINE.HCl (see LOFEXIDINE.HCl) |
| 3.21 | 61.3 ^a | P | E | P | + | 1,5 | 62-73-7 | DICHLORVOS |
| - | 32.9 | - | - | + | - | 1 | 115-32-2 | DICLORAN (see 2,6-DICHLORO-4-NITROANILINE) DICOFOL DICRYL (see 3,4'-DICHLORO-2-METHYLACRYLANILIDE) |
| - | - | - | - | - | - | 1 | 1212-29-9 | N,N'-DICYCLOHEXYLTHIOUREA |
| - | - | - | NT | - | - | 1 | 81-21-0 | DICYCLOPENTADIENE DIOXIDE |
| - | 0.469 ^{ac} | - | - | + | + | 1 | 60-57-1 | DIELDRIN ^b |
| - | - | - | - | - | - | 1 | 13366-73-9 | DIELDRIN, PHOTO- |
| - | NT | NT | - | NT | NT | 1 | 298-18-0 | D,L-DIEPOXYBUTANE |
| NT | - | NT | NT | NT | - | 1 | 7316-37-2 | DIETHYL-beta,gamma-EPOXYPROPYLPHOSPHONATE 4,4'-(1,2-DIETHYL-1,2-ETHENEDIYL)BIS-PHENOL (see DIETHYLSTILBESTROL) |
| 1.63 ^c | NT | + | NT | NT | NT | 1 | 7347-49-1 | N,N-DIETHYL-4-(4'-[PYRIDYL-1'-OXIDE]AZO)ANILINE |
| - | NT | - | - | NT | NT | 1 | 2921-88-2 | O,O-DIETHYL-O-(3,5,6-TRICHLORO-2-PYRIDYL)PHOSPHOROTHIOATE |
| 8.85 ^b | NT | + | NT | NT | NT | 1 | 685-91-6 | DIETHYLACETAMIDE DIETHYLDITHIOCARBAMATE TRIHYDRATE, SODIUM (see SODIUM DIETHYLDITHIOCARBAMATE TRIHYDRATE) |
| 1660 | NT | + | NT | NT | NT | 1 | 111-46-6 | DIETHYLENE GLYCOL |
| - | NT | - | NT | NT | NT | 1 | 617-84-5 | DIETHYLFORMAMIDE DIETHYLNITROSAMINE (see N-NITROSODIETHYLAMINE) N,N-DIETHYLNITROSAMINE (see N-NITROSODIETHYLAMINE) |
| 0.114 | 0.0247 ^a | + | - | + | + | 1,5 | 56-53-1 | DIETHYLSTILBESTROL |
| 23.8 ^a | - | + | + | - | - | 1 | 105-55-5 | N,N'-DIETHYLTHIOUREA |
| NT | 571 ^a | NT | NT | + | + | 1 | 628-36-4 | 1,2-DIFORMYLHYDRAZINE |
| NT | 852 ^a | NT | NT | + | + | 3 | 21626-89-1 | DIFTALONE |
| 2.33 ^a | 17.9 ^a | + | + | + | + | 4 | 101-90-6 | DIGLYCIDYL RESORCINOL ETHER, TECHNICAL GRADE |
| - | NT | - | NT | NT | NT | 5 | 62488-57-7 | 5,6-DIHYDRO-5-AZACYTIDINE (2,3-DIHYDRO-1,5-DIMETHYL-3-OXO-2-PHENYL-1H-PYRAZOL-4-YL)METHYLAMINO METHANESULFONATE MONOHYDRATE (see DIPYRONE) |
| 1.53 | NT | NT | + | NT | NT | 1 | 33389-33-2 | 1,2-DIHYDRO-2-(5-NITRO-2-THIENYL)QUINAZOLIN-4(3H)-ONE |
| 90.6 | NT | B+ | B+ | NT | NT | 1 | 3276-41-3 | 3,6-DIHYDRO-2-NITroso-2H-1,2-OXAZINE 1,2-DIHYDRO-3,6-PYRIDAZINEDIONE (see MALEIC HYDRAZIDE) |
| 143 | 90 ^a | B+ | B+ | + | + | 1 | 94-58-6 | DIHYDROSAFROLE |
| - | - | - | - | - | - | 1 | 60-51-5 | 1,2-DIHYDROXYBENZENE (see CATECHOL) DIMETHOATE |
| 716 | NT | + | NT | NT | NT | 1 | 828-00-2 | DIMETHOXANE |
| - | - | - | - | E | - | 5 | 828-00-2 | DIMETHOXANE, COMMERCIAL GRADE |
| 0.721 | 95.9 | + | NT | + | - | 1 | 5803-51-0 | 2,5-DIMETHOXY-4'-AMINOSTILBENE |
| - | - | - | - | - | - | 1 | 54150-69-5 | 2,4-DIMETHOXYANILINE.HCl |
| 742 ^a | - | + | + | - | - | 1 | 91-93-0 | 3,3'-DIMETHOXYBENZIDINE-4,4'-DIISOCYANATE |
| - | NT | - | NT | NT | NT | 1 | 1146-71-0 | 5,7-DIMETHOXYCYCLOPENTENE[c]COUMARIN |
| - | NT | - | NT | NT | NT | 1 | 1150-37-4 | 5,7-DIMETHOXYCYCLOPENTENONE[2,3-c]COUMARIN |
| - | NT | - | NT | NT | NT | 1 | 1150-42-1 | 5,7-DIMETHOXYCYCLOPENTENONE[3,2-c]COUMARIN |
| 1E31 | NT | + | NT | NT | NT | 5 | 65176-75-2 | 5,6-DIMETHOXYSTERIGMATOCYSTIN |
| 3.31 | NT | NT | + | NT | NT | 1 | 60-11-7 | N,N-DIMETHYL-4-AMINOAZOBENZENE |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot Number | CAS | | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|----------------|-------------------------|---|---------------|
| Rat | Mouse | MR | FR | MM | FM | | Number | Number | |
| | | | | | | | | 9,10-DIMETHYL-1,2-BENZANTHRACENE (see 7,12-DIMETHYLBENZ(a)ANTHRACENE) | |
| - | NT | - | NT | NT | NT | 1 | 3851-16-9 | N,N'-DIMETHYL-N,N'-DINITROSOPHTHALAMIDE | |
| 105 | - | + | E | - | - | 3 | 868-85-9 | DIMETHYL HYDROGEN PHOSPHITE | |
| 520 | - | P | - | I | - | 5 | 756-79-6 | DIMETHYL METHYLPHOSPHONATE | |
| 503 ^a | - | P | P | - | - | 3 | 597-25-1 | DIMETHYL MORPHOLINOPHOSPHORAMIDATE | |
| 1.39 ^c | NT | NT | + | NT | NT | 1 | 59-35-8 | 4,6-DIMETHYL-2-(5-NITRO-2-FURYL)PYRIMIDINE | |
| 17 | NT | NT | + | NT | NT | 1 | 551-92-8 | 1,2-DIMETHYL-5-NITROIMIDAZOLE | |
| - | - | - | - | - | - | 1 | 120-61-6 | DIMETHYL TEREPHTHALATE | |
| 60.7 ^a | - | + | + | - | - | 5 | --- | 2,2-DIMETHYL-5-(2,5-XYLYLOXY)VALERIC ACID (see GEMFIBROZIL) | |
| - | - | - | - | - | - | 5 | --- | 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCl | |
| 22.4 | NT | NT | + | NT | NT | 1 | 1095-90-5 55738-54-0 | 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCl trans-2-[(DIMETHYLAMINO)METHYLIMINO]-5-[2-(5-NITRO-2-FURYL)VINYLY]-1,3,4-OXADIAZOLE | |
| NT | - | NT | NT | - | - | 1 | 6120-10-1 | 4-DIMETHYLAMINO-3,5-XYLENOL | |
| NT | - | NT | NT | NT | - | 5 | 108-01-0 | 2-DIMETHYLAMINOETHANOL | |
| 125 | - | P | - | - | E | 5 | 121-69-7 | N,N-DIMETHYLANILINE | |
| NT | - | NT | NT | - | - | 1 | 75-60-5 | DIMETHYLARSINIC ACID | |
| NT | 0.084 | NT | NT | NT | + | 1 | 57-97-6 | 7,12-DIMETHYLBENZ(a)ANTHRACENE | |
| | | | | | | | | DIMETHYLCARBAMOYL CHLORIDE (see DIMETHYLCARBAMYL CHLORIDE) | |
| NT | 5.37 ^d | NT | NT | NT | + | 1 | 79-44-7 | DIMETHYLCARBAMYL CHLORIDE [§] | |
| NT | - | NT | NT | - | - | 1 | 598-64-1 | DIMETHYLDITHIOCARBAMIC ACID, DIMETHYLAMINE | |
| - | NT | - | - | NT | NT | 3 | 1643-20-5 | N,N-DIMETHYLDODECYLAMINE-N-OXIDE | |
| NT | 2.09 ^a | NT | NT | + | + | 1 | 57-14-7 | 1,1-DIMETHYLHYDRAZINE [§] | |
| NT | 0.102 ^a | NT | NT | + | + | 1 | 306-37-6 | 1,2-DIMETHYLHYDRAZINE.2HCl [§] | |
| 0.41 ^c | NT | NT | + | NT | NT | 1 | 26049-69-4 | 2-(2,2-DIMETHYLHYDRAZINO)-4-(5-NITRO-2-FURYL)THIAZOLE | |
| 0.256 ^a | NT | + | + | NT | NT | 1 | 4164-28-7 | DIMETHYLNITRAMINE | |
| | | | | | | | | DIMETHYLNITROSAMINE (see N-NITROSODIMETHYLAMINE) | |
| | | | | | | | | N,N-DIMETHYLNITROSAMINE (see N-NITROSODIMETHYLAMINE) | |
| 17.5 ^a | 14.3 ^a | + | + | + | + | 4 | 513-37-1 | DIMETHYLVINYLYL CHLORIDE | |
| NT | - | NT | NT | - | - | 1 | 6119-92-2 | DINITRO(1-METHYLHEPTYL)PHENYL CROTONATE | |
| NT | - | NT | NT | B- | B- | 1 | 51-28-5 | 2,4-DINITROPHENOL | |
| NT | - | NT | NT | NT | - | 3 | 1011-73-0 | 2,4-DINITROPHENOL, SODIUM | |
| NT | NT | NT | NT | NT | NT | 3 | 55380-34-2 | 1,4-DINITROSO-2,6-DIMETHYLPYPERAZINE [§] | |
| 0.0297 ^a | NT | NT | + | NT | NT | 1 | 55557-00-1 | DINITROSOHOMOPYPERAZINE | |
| - | NT | - | NT | NT | NT | 1 | 101-25-7 | N,N-DINITROSOPENTAMETHYLENETETRAMINE | |
| NT | 2.01 ^a | NT | NT | + | + | 1 | 140-79-4 | DINITROSOPIPERAZINE | |
| - | - | A | A | - | - | 1 | 121-14-2 | 2,4-DINITROTOLUENE | |
| - | NT | - | NT | NT | NT | 5 | 121-14-2 | 2,4-DINITROTOLUENE (PURIFIED) | |
| 0.574 | NT | + | NT | NT | NT | 5 | 606-20-2 | 2,6-DINITROTOLUENE | |
| 8.02 | NT | + | NT | NT | NT | 5 | --- | DINITROTOLUENE, TECHNICAL GRADE (2,4 (77%)- and 2,6 (19%)-) | |
| 126 ^{af} | 594 ^a | + | + | + | + | 1 | 123-91-1 | 1,4-DIOXANE | |
| | | | | | | | | p-DIOXANE (see 1,4-DIOXANE) | |
| - | - | - | - | - | - | 1 | 78-34-2 | DIOXATHION | |
| | | | | | | | | DIOXIN (see 2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN) | |
| NT | - | NT | NT | - | - | 1 | 971-15-3 | DIPENTAMETHYLENETHIURAM HEXASULFIDE | |
| 2.75 ^a | NT | + | + | NT | NT | 5 | 13256-06-9 | DIPENTYLNITROSAMINE | |
| - | - | E | E | - | - | 3,5 | 147-24-0 | DIPHENHYDRAMINE.HCl | |
| NT | - | NT | NT | - | - | 1 | 74-31-7 | DIPHENYL-p-PHENYLENEDIAMINE | |
| NT | - | NT | NT | - | - | 1 | 86-29-3 | DIPHENYLACETONITRILE | |
| NT | - | NT | NT | - | - | 1 | 102-09-0 | DIPHENYLCARBONATE | |
| - | - | - | - | - | - | 1,5 | 57-41-0 | 5,5-DIPHENYLHYDANTOIN | |
| | | | | | | | | DIPHENYLNITROSAMINE (see N-NITROSODIPHENYLAMINE) | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | NT | - | NT | NT | NT | 1 | --- | N,N-DIPROPYL-4-(4-[PYRIDYL-1'-OXIDE]AZO)ANILINE DIPROPYLNITROSAMINE (see N-NITROSODIPROPYLAMINE) | |
| - | 547 ^a | - | - | + | + | 3,4 | 68-89-3 | DIPYRONE DISODIUM ETHYLENEBISDITHIOCARBAMATE (see ETHYLENEBISDITHIOCARBAMATE, DISODIUM) DISODIUM SULFATE (see SULFATE, SODIUM) DISULFIRAM (see TETRAETHYLTHIURAM DISULFIDE) DITHANE (see ETHYLENEBISDITHIOCARBAMATE, DISODIUM) | |
| - | - | - | - | - | A | 1 | 142-46-1 | 2,5-DITHIOBIUREA | |
| - | NT | NT | - | NT | NT | 1 | 79-40-3 | DITHIOOXAMIDE DIURON (see 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLUREA) DMASA (see DAMINOZIDE) DMBA (see 7,12-DIMETHYLBENZ(a)ANTHRACENE) DMHP (see DIMETHYL HYDROGEN PHOSPHITE) DMMP (see DIMETHYL METHYLPHOSPHONATE) DMN (see N-NITROSODIMETHYLAMINE) DMT (see DIMETHYL TEREPHTHALATE) 1,1a,2,2,3,3a,4,5,5,5a,5b,6-DODECACHLOROOCCTAHYDRO-1,3,4-METHENO-1H-CYCLOBUTA[cd]PENTALENE (see MIREX) | |
| NT | - | NT | NT | - | - | 1 | 2439-10-3 | N-DODECYLGUANIDINE ACETATE DODINE (see N-DODECYLGUANIDINE ACETATE) DOWICIDE 1 (see o-PHENYLPHENOL) DOWICIDE 2S (see 2,4,6-TRICHLOROPHENOL) DOWICIDE 7 (see 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)) DOWICIDE EC-7 (see 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)) DS-M-1 (see DEXTRAN SULFATE SODIUM (DS-M-1)) DST-H (see DEXTRAN SULFATE SODIUM (DST-H)) DURAX (see N-CYCLOHEXYL-2-BENZOTHAZOLE SULFENAMIDE) EDB (see 1,2-DIBROMOETHANE) EDC (see 1,2-DICHLOROETHANE) | |
| - | - | - | - | - | - | 1 | 9004-59-5 | EDIFAS A | |
| - | - | - | - | - | - | 1 | 9004-32-4 | EDIFAS B | |
| - | - | - | - | - | - | 1 | 150-38-9 | EDTA (see EDTA, TRISODIUM SALT TRIHYDRATE) | |
| NT | NT | I | I | I | I | 1 | 316-42-7 | EDTA, TRISODIUM SALT TRIHYDRATE | |
| - | - | - | - | - | - | 1 | 55965-13-4 | EMETINE.2HCl | |
| - | - | I | - | I | - | 1 | 115-29-7 | EMULSIFIER YN ENDOSULFAN ENDOXAN (see CYCLOPHOSPHAMIDE) | |
| - | - | - | - | - | - | 1 | 72-20-8 | ENDRIN | |
| NT | - | NT | NT | - | - | 3 | 13838-16-9 | ENFLURANE | |
| NT | 0.151 ^{af} | NT | NT | - | + | 1 | 8015-30-3 | ENOVID | |
| NT | - | NT | NT | - | - | 1 | 8015-30-3 | ENOVID-E ENU (see 1-ETHYL-1-NITROSOUREA) EO (see ETHYLENE OXIDE) | |
| - | - | - | - | - | - | 3 | 134-72-5 | EPHEDRINE SULPHATE | |
| 2.55 ^a | - | + | + | NT | - | 1,4 | 106-89-8 | EPICHLOROHYDRIN | |
| 106 | - | + | E | - | - | 5 | 106-88-7 | 1,2-EPOXYBUTANE 1,2-EPOXYPROPANE (see 1,2-PROPYLENE OXIDE) | |
| - | NT | - | - | NT | NT | 3 | 6381-77-7 | ERYTHORBATE, SODIUM | |
| - | - | - | - | - | - | 5 | 643-22-1 | ERYTHROMYCIN STEARATE | |
| NT | 0.282 ^b | NT | NT | NT | + | 1 | 50-28-2 | ERYTHROSINE (see FD & C RED NO. 3) ESTRADIOL ESTRADIOL-17beta (see ESTRADIOL) | |
| - | 0.682 ^a | - | - | + | + | 1 | 22966-79-6 | ESTRADIOL MUSTARD | |
| NT | 51.8 | NT | NT | NT | + | 3 | 140-67-0 | ESTRAGOLE | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|--------|------------|---|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | 69.3 | - | - | - | + | 1 | 536-33-4 | ETHENZAMIDE (see o-ETHOXYBENZAMIDE) | |
| 4.97 ^c | NT | + | NT | NT | NT | 1 | 13073-35-3 | ETHIONAMIDE | |
| 5.24 ^a | 33.8 ^{af} | + | NT | + | + | 2,4 | 67-21-0 | ETHIONINE | |
| NT | 513 | NT | NT | + | - | 4 | 938-73-8 | DL-ETHIONINE | |
| - | NT | - | NT | NT | NT | 3,5 | 91-53-2 | o-ETHOXYBENZAMIDE | |
| 71.9 ^a | 260 ^a | + | + | + | + | 4 | 140-88-5 | ETHOXYQUIN | |
| 9110 | - | + | - | NT | - | 1-4 | 64-17-5 | ETHYL ACRYLATE | |
| 0.022 | NT | + | NT | NT | NT | 4 | 16301-26-1 | ETHYL ALCOHOL | |
| 0.0189 | NT | + | NT | NT | NT | 4 | 57497-29-7 | Z-ETHYL-O,N,N-AZOXYETHANE | |
| 1210 ^a | NT | + | + | NT | NT | 4 | 100-41-4 | Z-ETHYL-O,N,N-AZOXYMETHANE | |
| NT | - | NT | NT | NT | - | 1 | 105-36-2 | ETHYL BENZENE | |
| - | NT | - | NT | NT | NT | 1 | 2629-59-6 | ETHYL BROMIDE (see BROMOETHANE) | |
| - | - | - | - | - | A | 1 | 72-56-0 | ETHYL BROMOACETATE | |
| NT | 2.49 ^a | NT | NT | + | + | 1 | 74920-78-8 | ETHYL CADMATE (see CADMIUM DIETHYLDITHIOCARBAMATE) | |
| - | NT | - | - | NT | NT | 2 | 77-83-8 | ETHYL CHLORIDE (see CHLOROETHANE) | |
| NT | 2.84 | NT | NT | B+ | B+ | 1 | 63885-23-4 | ETHYL-alpha-p-CHLOROPHENOXYISOBUTYRATE (see CLOFIBRATE) | |
| 0.904 ^a | NT | + | + | NT | NT | 3 | 759-73-9 | S-ETHYL-L-CYSTEINE | |
| - | - | A | - | A | - | 1 | 20941-65-5 | p,p'-ETHYL-DDD | |
| - | - | - | - | - | - | 1 | 74920-78-8 | N-ETHYL-N-FORMYLHYDRAZINE | |
| - | NT | - | - | NT | NT | 2 | 77-83-8 | ETHYL METHYLPHENYLGLYCIDATE | |
| NT | 2.84 | NT | NT | B+ | B+ | 1 | 63885-23-4 | N-ETHYL-N'-NITRO-N-NITROSOGUANIDINE | |
| 0.904 ^a | NT | + | + | NT | NT | 3 | 759-73-9 | 1-ETHYL-1-NITROSOUREA | |
| - | - | A | - | A | - | 1 | 20941-65-5 | N-ETHYL-N-NITROSOUREA (see 1-ETHYL-1- NITROSOUREA) | |
| - | - | A | - | A | - | 1 | 20941-65-5 | 1-ETHYL-1-NITROSOURETHAN (see NITROSOETHYLURETHAN) | |
| - | - | A | - | A | - | 1 | 20941-65-5 | ETHYL SELNAC (see SELENIUM DIETHYLDITHIOCARBAMATE) | |
| - | - | A | - | A | - | 1 | 20941-65-5 | ETHYL TELLURAC | |
| - | - | A | - | A | - | 1 | 20941-65-5 | ETHYL TUADS (see TETRAETHYLTHIURAM DISULFIDE) | |
| - | - | A | - | A | - | 1 | 20941-65-5 | ETHYL ZIMATE (see ZINC DIETHYLDITHIOCARBAMATE) | |
| - | - | A | - | A | - | 1 | 20941-65-5 | ETHYLENE DIBROMIDE (see 1,2-DIBROMOETHANE) | |
| - | - | A | - | A | - | 1 | 20941-65-5 | ETHYLENE DICHLORIDE (see 1,2-DICHLOROETHANE) | |
| NT | - | NT | NT | NT | - | 1 | 1072-53-3 | ETHYLENE GLYCOL | |
| NT | 0.283 ^a | NT | NT | + | + | 1 | 151-56-4 | ETHYLENE IMINE | |
| 7.43 ^{af} | 39.2 ^a | + | + | + | + | 2,3,5 | 75-21-8 | ETHYLENE OXIDE | |
| 10.8 ^a | 16.9 | + | + | + | - | 1 | 96-45-7 | ETHYLENE THIOUREA | |
| NT | - | NT | NT | - | - | 1 | 120-93-4 | ETHYLENE UREA | |
| NT | - | NT | NT | - | - | 1 | 142-59-6 | ETHYLENEBISDITHIOCARBAMATE, DISODIUM | |
| - | NT | NT | - | NT | NT | 1 | 106-87-6 | 1-ETHYLENEOXY-3,4-EPOXYCYCLOHEXANE | |
| - | 3050 ^a | - | - | + | + | 2 | 103-23-1 | DI(2-ETHYLHEXYL)ADIPATE | |
| 499 ^a | 825 ^a | + | + | + | + | 2,5 | 117-81-7 | DI(2-ETHYLHEXYL)PHTHALATE | |
| NT | 5.22 ^a | NT | NT | + | + | 1 | 18413-14-4 | ETHYLHYDRAZINE.HCl | |
| 2.91 ^a | NT | + | + | NT | NT | 1 | 38434-77-4 | ETHYLNITROSOCYANAMIDE | |
| NT | 15.3 ^a | NT | NT | NT | + | 1 | 842-00-2 | ETHYLNITROSOUREA (see 1-ETHYL-1-NITROSOUREA) | |
| - | - | NT | - | NT | - | 1,5 | 297-76-7 | 4-ETHYLSULPHONYLNAPHTHALENE-1-SULFONAMIDE | |
| - | - | NT | - | NT | - | 1,5 | 297-76-7 | ETHYNODIOL DIACETATE | |
| - | - | NT | - | NT | - | 1,5 | 297-76-7 | ETHYNODIOL DIACETATE/ETHINYL ESTRADIOL [10:1] (see OVULEN) | |
| - | - | NT | - | NT | - | 1,5 | 297-76-7 | ETU (see ETHYLENE THIOUREA) | |
| NT | - | NT | NT | - | NT | 1 | 470-82-6 | EUCALYPTOL | |
| - | - | - | - | E | E | 3 | 97-53-0 | EUGENOL | |
| - | - | - | - | - | - | 1 | 140-56-7 | FANFT (see N-[4-(5-NITRO-2-FURYL)-2-THIAZOLYL] FORMAMIDE) | |
| - | - | - | - | - | - | 1 | 140-56-7 | FAST GREEN FCF (see FD & C GREEN NO. 3) | |
| - | - | - | - | A | - | 1 | 55-38-9 | FENAMINOSULF, FORMULATED | |
| - | - | - | - | A | - | 1 | 55-38-9 | FENTHION | |
| - | NT | - | - | NT | NT | 3 | 51630-58-1 | FENVALERATE | |
| - | - | - | - | - | - | 1 | 140-56-7 | FERBAM (see FERRIC DIMETHYLDITHIOCARBAMATE) | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|--------|------------|---|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| NT | - | NT | NT | - | - | 1 | 14484-64-1 | FERRIC DIMETHYLDITHIOCARBAMATE FERRIC NITROSODIMETHYLDITHIOCARBAMATE AND TETRAMETHYLTHIURAM DISULFIDE (see VANGUARD GF) FIREMASTER BP-6 (see POLYBROMINATED BIPHENYLS) FIREMASTER FF-1 (see POLYBROMINATED BIPHENYL MIXTURE) | |
| - | - | - | - | - | - | 3 | 54143-56-5 | FLECAINIDE ACETATE | |
| - | - | - | - | A | - | 2 | 2164-17-2 | FLUOMETURON FLUORENE-2,7-DIACETIMIDE (see 2,7-BIS- ACETYLAMINOFLUORENE) | |
| 1.62 | NT | NT | + | NT | NT | 1 | 363-17-7 | N-(2-FLUORENYL)-2,2,2-TRIFLUOROACETAMIDE FLUORENYLACETAMIDE (see 2- ACETYLAMINOFLUORENE) N-1-FLUORENYLACETAMIDE (see 1-ACETYLAMINOFLUORENE) N-2-FLUORENYLACETAMIDE (see 2-ACETYLAMINOFLUORENE) N-4-FLUORENYLACETAMIDE (see 4-ACETYLAMINOFLUORENE) N-1-FLUORENYLDIACETAMIDE (see N-1- DIACETAMIDOFUORENE) | |
| NT | - | NT | NT | B- | - | 1,3 | 7681-49-4 | FLUORIDE, SODIUM | |
| NT | 1.09 ^a | NT | NT | + | + | 1 | 324-93-6 | 4-FLUORO-4-AMINODIPHENYL N-(4'-FLUORO-4-BIPHENYLYL)ACETAMIDE (see N-4-(4'- FLUOROBIPHENYL)ACETAMIDE) | |
| 1.01 | NT | + | NT | NT | NT | 1 | 398-32-3 | N-4-(4'-FLUOROBIPHENYL)ACETAMIDE FLUOROCARBON 31 (see CHLOROFLUOROMETHANE) FLUOROCARBON 11 (see TRICHLOROFLUOROMETHANE) FLUOROCARBON 113 (see 1,1,2-TRICHLORO-1,2,2- TRIFLUOROETHANE, TECHNICAL GRADE) FLUOROCARBON 12 (see DICHLORODIFLUOROMETHANE) FLUOROCARBON 133a (see 2-CHLORO-1,1,1- TRIFLUOROETHANE) FLUOROCARBON 22 (see CHLORODIFLUOROMETHANE) | |
| - | NT | - | NT | NT | NT | 1 | 51-21-8 | 5-FLUOROURACIL FNT (see FORMIC ACID 2-[4-(5-NITRO-2-FURYL)-2- THIAZOLYL]HYDRAZIDE) FOLPET (see N-(TRICHLOROMETHYLTHIO) PHTHALIMIDE) | |
| 0.798 ^{af} | 43.9 | + | + | + | - | 2-5 | 50-00-0 | FORMALDEHYDE ^h | |
| - | NT | NT | - | NT | NT | 1 | 31873-81-1 | FORMIC ACID 2-[4-(2-FURYL)-2-THIAZOLYL] HYDRAZIDE | |
| 14.4 | NT | NT | + | NT | NT | 1 | 32852-21-4 | FORMIC ACID 2-(4-METHYL-2-THIAZOLYL) HYDRAZIDE | |
| 3.54 ^a | 8.85 ^a | + | + | NT | + | 1 | 3570-75-0 | FORMIC ACID 2-[4-(5-NITRO-2-FURYL)-2-THIAZOLYL] HYDRAZIDE ^b FORMULATED FENAMINOSULF (see FENAMINOSULF, FORMULATED) | |
| - | NT | NT | - | NT | NT | 1 | 2302-84-3 | 1-FORMYL-3-THIOSEMICARBAZIDE | |
| NT | 36 ^a | NT | NT | + | + | 1 | 624-84-0 | FORMYLHYDRAZINE FREON 30 (see METHYLENE CHLORIDE) | |
| - | NT | NT | - | NT | NT | 1 | 2411-74-7 | 2-FURALDEHYDE SEMICARBAZONE | |
| NT | NT | NT | NT | NT | NT | 1 | 98-01-1 | FURFURAL ^h | |
| - | 732 | E | - | - | P | 5 | 54-31-9 | FUROSEMIDE 2-(2-FURYL)-3-(5-NITRO-2-FURYL)ACRYLAMIDE (see AF-2) FURYLFURAMIDE (see AF-2) | |
| - | NT | - | NT | NT | NT | 3 | 23255-69-8 | FUSARENON-X | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | NT | - | - | NT | NT | 4 | 35449-36-6 | GEMCADIOL | |
| - | - | - | - | - | - | 2 | 25812-30-0 | GEMFIBROZIL GENITE-R99 (see 2,4-DICHLOROPHENYLBENZENE SULFONATE) | |
| NT | 57.9 ^a | NT | NT | + | + | 4 | 548-62-9 | GENTIAN VIOLET | |
| - | - | E | - | - | - | 5 | mixture | GERANYL ACETATE, FOOD GRADE (71% GERANYL ACETATE, 29% CITRONELLYL ACETATE) | |
| - | - | B- | B- | B- | B- | 1 | 12025-19-3 | GERMANATE, SODIUM GESAMIL (see PROPAZINE) | |
| NT | - | NT | NT | - | - | 1 | 77-06-5 | GIBBERELIC ACID GLU-P-1 (see 2-AMINO-6-METHYLDIPYRIDO[1,2-a:3',2'-d]IMIDAZOLE) GLU-P-2 (see 2-AMINODIPYRIDO[1,2-a:3',2'-d]IMIDAZOLE) | |
| NT | - | NT | NT | - | NT | 3 | 56-86-0 | L-GLUTAMIC ACID N2-[gamma-L(+)-GLUTAMYL]-4-CARBOXYPHENYLHYDRAZINE (see N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID) GLUTAMYL-p-HYDRAZINOBENZOATE (see N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID) | |
| NT | 277 | NT | NT | + | - | 5 | --- | N2-gamma-GLUTAMYL-p-HYDRAZINOBENZOIC ACID | |
| NT | - | NT | NT | - | - | 2 | 2757-90-6 | beta-N-[gamma-L(+)-GLUTAMYL]-4-HYDROXYMETHYLPHENYLHYDRAZINE | |
| - | NT | - | - | NT | NT | 1 | 96-24-2 | GLYCEROL alpha-MONOCHLOROHYDRIN | |
| - | NT | NT | - | NT | NT | 1 | 765-34-4 | GLYCIDALDEHYDE GLYCOL SULFATE (see ETHYLENE GLYCOL) | |
| NT | - | NT | NT | NT | - | 1 | 3741-38-6 | GLYCOL SULFITE | |
| NT | - | NT | NT | - | - | 4 | 71277-79-7 | GLYCYRRHIZINATE, DISODIUM | |
| 3920 ^a | - | + | + | - | - | 1 | 4680-78-8 | FD & C GREEN NO. 1 | |
| 5640 | - | B+ | B+ | - | - | 1 | 5141-20-8 | FD & C GREEN NO. 2 | |
| - | - | - | - | - | - | 1 | 2353-45-9 | FD & C GREEN NO. 3 | |
| NT | 1660 ^b | NT | NT | + | - | 1 | 126-07-8 | GRISEOFULVIN ^h | |
| - | - | - | - | - | - | 2 | 9000-30-0 | GUAR GUM GUINEA GREEN B (see FD & C GREEN NO. 1) GUM ACACIA (see GUM ARABIC) | |
| - | - | - | - | - | - | 2 | 9000-01-5 | GUM ARABIC GUSATHION (see AZINPHOSMETHYL) HCB (see HEXACHLOROENZENE) | |
| 5.96E-4 | 876E-4 ^a | - | + | + | + | 1 | mixture | HCDD MIXTURE | |
| 1000 | NT | B+ | B+ | NT | NT | 1 | 517-28-2 | HEMATOXYLIN | |
| - | 1.09 ^a | - | - | + | + | 1 | 76-44-8 | HEPTACHLOR | |
| - | NT | - | - | NT | NT | 1 | 1121-92-2 | HEPTAMETHYLENEIMINE | |
| - | NT | - | NT | NT | NT | 1 | 1241-27-6 | HEPTYLAMINE HERCULES-7531 (see 3-(HEXAHYDRO-4,7-METHANOINDAN-5-YL)-1,1-DIMETHYLUREA) HETEROAUXIN (see INDOLE-3-ACETIC ACID) | |
| 1.65 ^{acf} | 46.4 ^a | + | + | + | + | 1,4,5 | 118-74-1 | HEXACHLOROENZENE ⁸ | |
| 50.5 ^a | NT | + | + | NT | NT | 1 | 87-68-3 | HEXACHLOROBTADIENE | |
| NT | 25.3 | NT | NT | + | NT | 3 | 608-73-1 | HEXACHLOROCYCLOHEXANE | |
| 11.2 | 6.62 ^c | + | NT | + | NT | 1 | 319-84-6 | alpha-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE | |
| NT | 17.7 ^a | NT | NT | + | + | 1 | 319-85-7 | beta-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE | |
| - | 15.4 ^a | - | - | + | + | 1,5 | 58-89-9 | gamma-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE | |
| 55.4 | 319 ^a | + | - | + | + | 1,5 | 67-72-1 | HEXACHLOROETHANE | |
| - | - | - | - | - | - | 1 | 70-30-4 | HEXACHLOROPHENE | |
| NT | - | NT | NT | - | - | 1 | 2163-79-3 | 3-(HEXAHYDRO-4,7-METHANOINDAN-5-YL)-1,1-DIMETHYLUREA | |
| - | - | - | - | - | - | 1 | 100-97-0 | HEXAMETHYLENETETRAMINE | |
| 10.2 | NT | NT | + | NT | NT | 1 | 531-18-0 | HEXAMETHYLMELAMINE | |
| - | 1950 | - | - | + | - | 1 | 628-02-4 | HEXANAMIDE | |
| - | - | - | - | E | - | 5 | 136-77-6 | 4-HEXYLRESORCINOL HNT (see 2-HYDRAZINO-4-(5-NITRO-2-FURYL)THIAZOLE) | |
| NT | - | NT | NT | - | - | 4 | 1415-93-6 | HUMIC ACIDS, COMMERCIAL GRADE | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | |
|------------------------------|--------------------|------------|----|----|----|---------|------------|--|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | Chemical Name | |
| 0.194 ^a | 2.2 ^a | + | + | + | + | 1,4 | 302-01-2 | HYDRAZINE ⁸ | |
| 39.4 ^a | 3.35 ^{af} | + | + | + | + | 1,2,3,5 | 10034-93-2 | HYDRAZINE SULFATE ⁸ | |
| 1.03 | 11.3 | NT | + | NT | + | 1 | 26049-71-8 | 2-HYDRAZINO-4-(p-AMINOPHENYL)THIAZOLE | |
| 2.83 ^a | 16.4 | NT | + | NT | + | 1 | 26049-68-3 | 2-HYDRAZINO-4-(5-NITRO-2-FURYL)THIAZOLE | |
| 1.97 ^a | 10.6 | NT | + | NT | + | 1 | 26049-70-7 | 2-HYDRAZINO-4-(p-NITROPHENYL)THIAZOLE | |
| - | NT | NT | - | NT | NT | 1 | 34176-52-8 | 2-HYDRAZINO-4-PHENYLTHIAZOLE | |
| NT | - | NT | NT | NT | - | 1 | 619-67-0 | p-HYDRAZINOBENZOATE (see p-HYDRAZINOBENZOIC ACID) | |
| NT | 380 ^a | NT | NT | + | + | 5 | 24589-77-3 | p-HYDRAZINOBENZOIC ACID.HCl | |
| 3.55 ^a | 26 | + | + | - | + | 1 | 122-66-7 | HYDRAZOBENZENE | |
| - | NT | - | NT | NT | NT | 4 | 7647-01-0 | HYDROCHLORIC ACID | |
| - | - | - | - | E | - | 5 | 58-93-5 | HYDROCHLOROTHIAZIDE | |
| - | NT | - | - | NT | NT | 1 | 50-23-7 | HYDROCORTISONE | |
| NT | 9010 | NT | NT | B+ | B+ | 1 | 7722-84-1 | HYDROGEN CHLORIDE (see HYDROCHLORIC ACID) | |
| 55.8 ^a | 122 | P | P | - | P | 5 | 123-31-9 | HYDROGEN PEROXIDE | |
| NT | - | NT | NT | - | - | 1 | 103-16-2 | HYDROQUINONE | |
| - | NT | NT | - | NT | NT | 1 | 4463-22-3 | HYDROQUINONE MONOBENZYL ETHER | |
| 6.9E-4 ^a | 6.23 | + | + | NT | + | 1,3 | 53-95-2 | N-HYDROXY-N-ACETYL-2-AMINOFUORENE (see N-HYDROXY-2-ACETYLAMINOFUORENE) | |
| - | NT | NT | - | NT | NT | 1 | 4363-03-5 | 3-HYDROXY-4-ACETYLAMINOBIPHENYL | |
| NT | 5530 | NT | NT | + | - | 5 | 1083-57-4 | 3-HYDROXY-4-AMINOBIPHENYL | |
| NT | 57.8 | NT | NT | NT | + | 3 | 51410-44-7 | 3-HYDROXY-p-BUTYROPHENETIDIDE | |
| 16.7 | NT | NT | + | NT | NT | 1 | 5036-03-3 | 2-HYDROXY-1,2-DIPHENYLETHANONE (see BENZOIN) | |
| 0.046 ^{af} | NT | + | + | NT | NT | 1,4,5 | 13743-07-2 | HYDROXY-N-2-FLUORENYLACETAMIDE (see N-HYDROXY-2-ACETYLAMINOFUORENE) | |
| 1.87 | NT | NT | + | NT | NT | 1 | 33389-36-5 | 3-HYDROXY-2-PROPENAL, SODIUM SALT (see MALONALDEHYDE, SODIUM SALT) | |
| NT | 0.314 ^a | NT | NT | + | - | 1 | 109-84-2 | p-HYDROXYACETANILIDE (see ACETAMINOPHEN) | |
| - | NT | - | - | NT | NT | 1 | --- | 1-HYDROXYESTRAGOLE | |
| - | - | - | - | - | - | 1-3 | 148-24-3 | 1-(2-HYDROXYETHYL)-3-[(5-NITROFURFURYLIDENE)AMINO]-2-IMIDAZOLIDINONE | |
| 12.1 ^a | 49.1 ^a | + | NT | + | + | 1,3 | 5208-87-7 | 1-(2-HYDROXYETHYL)-1-NITROSOUREA | |
| 10.7 ^d | 23.7 ^d | - | + | - | + | 1 | 21416-87-5 | 4-(2-HYDROXYETHYLAMINO)-2-(5-NITRO-2-THIENYL)QUINAZOLINE | |
| - | - | A | A | - | - | 1 | 3458-22-8 | 2-HYDROXYETHYLHYDRAZINE ^b | |
| - | NT | - | - | NT | NT | 1 | 32607-00-4 | N-(HYDROXYMETHYL)-ACRYLAMIDE (see N-METHYLOLACRYLAMIDE) | |
| NT | - | NT | NT | - | - | 1 | 87-51-4 | HYDROXYPROPYL DISTARCH GLYCEROL | |
| - | NT | - | NT | NT | NT | 4 | 144-48-9 | 8-HYDROXYQUINOLINE | |
| - | - | - | - | - | - | 1 | 75-47-8 | 1'-HYDROXYSAFROLE | |
| - | - | - | - | - | - | 1 | --- | HYPOCHLOROUS ACID, SODIUM SALT (see SODIUM HYPOCHLORITE) | |
| - | - | - | - | - | - | 1 | --- | IBOPAMINE.HCl (see N-METHYLDOPAMINE, O,O'-DIISOBUTYROYL ESTER.HCl) | |
| - | - | - | - | - | - | 1 | --- | ICRF-159 | |
| - | - | - | - | - | - | 1 | --- | 2-IMIDAZOLIDINONE (see ETHYLENE UREA) | |
| - | - | - | - | - | - | 1 | --- | 3,3'-IMINOBIS-1-PROPANOL DIMETHANESULFONATE (ESTER).HCl | |
| - | - | - | - | - | - | 1 | --- | IMINODIACETIC ACID, MONOSODIUM | |
| - | - | - | - | - | - | 1 | --- | INDIGO CARMINE (see FD & C BLUE NO. 2) | |
| - | - | - | - | - | - | 1 | --- | INDOLE-3-ACETIC ACID | |
| - | - | - | - | - | - | 1 | --- | INH (see ISONIAZID) | |
| - | - | - | - | - | - | 1 | --- | iodoacetamide | |
| - | - | - | - | - | - | 1 | --- | iodoform | |
| - | - | - | - | - | - | 1 | --- | IPC (see ISOPROPYL-N-PHENYL CARBAMATE) | |
| - | - | - | - | - | - | 1 | --- | IPD (see 3,3'-IMINOBIS-1-PROPANOL DIMETHANESULFONATE(ESTER).HCl) | |
| - | - | - | - | - | - | 1 | --- | IQ (see 2-AMINO-3-METHYLIMIDAZO[4,5-f]QUINOLINE) | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| | | | | | | | | IQ.HCl (see 2-AMINO-3-METHYLIMIDAZO[4,5-f] QUINOLINE.HCl) |
| | | | | | | | | ISOASCORBATE (see ERYTHORBATE, SODIUM) |
| | | | | | | | | ISOBENZAN (see TELODRIN) |
| NT | - | NT | NT | - | - | 4 | 4247-02-3 | ISOBUTYL p-HYDROXYBENZOATE |
| - | NT | - | NT | NT | NT | 1 | 5461-85-8 | N-ISOBUTYL-N'-NITRO-N-NITROSOGUANIDINE |
| | | | | | | | | N-ISOBUTYL-N-NITROSOUREA (see N-NITROSO-N-ISOBUTYLUREA) |
| NT | - | NT | NT | - | - | 5 | 26675-46-7 | ISOFLURANE |
| | | | | | | | | ISOLAN (see 1-ISOPROPYL-3-METHYL-s-PYRAZOLYLDIMETHYL CARBAMATE) |
| 120 ^a | 11.2 ^{af} | + | + | + | + | 1-3 | 54-85-3 | ISONIAZID ^h |
| NT | - | NT | NT | - | - | 3 | 1453-82-3 | ISONICOTINAMIDE |
| NT | - | NT | NT | - | - | 1 | 55-22-1 | ISONICOTINIC ACID ^h |
| | | | | | | | | ISONICOTINIC ACID HYDRAZIDE (see ISONIAZID) |
| NT | 27.4 | NT | NT | B+ | B+ | 1 | 149-17-7 | ISONICOTINIC ACID VANILLYLIDENEHYDRAZIDE |
| 1210 | - | P | - | E | - | 3 | 78-59-1 | ISOPHORONE |
| 0.739 ^d | 5.06 ^d | - | + | - | + | 1 | 3778-73-2 | ISOPHOSPHAMIDE |
| NT | - | NT | NT | - | - | 1 | 101-73-5 | p-ISOPROPOXYDIPHENYLAMINE |
| - | - | - | - | - | - | 1 | 101-21-3 | ISOPROPYL-N-(3-CHLOROPHENYL)CARBAMATE ^h |
| | | | | | | | | 1-ISOPROPYL-4-(m-METHOXYPHENYL)-7-METHYL-2(1H)-QUINAZOLINONE (see COMPOUND 50-892) |
| | | | | | | | | 1-ISOPROPYL-7-METHYL-4-PHENYL-2(IH)-QUINAZOLINONE (see PROQUAZONE) |
| NT | - | NT | NT | - | - | 1 | 119-38-0 | 1-ISOPROPYL-3-METHYL-s-PYRAZOLYLDIMETHYL CARBAMATE |
| NT | - | NT | NT | - | - | 1 | 122-42-9 | ISOPROPYL-N-PHENYL CARBAMATE ^h |
| | | | | | | | | 4,4'-ISOPROPYLIDENEDIPHENOL (see BISPHENOL A) |
| NT | - | NT | NT | - | - | 1 | 120-58-1 | ISOSAFROLE |
| - | NT | - | - | NT | NT | 3 | 520-18-3 | KAEMPFEROL |
| - | NT | NT | - | NT | NT | 4 | 12737-87-0 | KANECHLOR 400 |
| | | | | | | | | KARATHANE (see DINITRO(1-METHYLHEPTYL) PHENYL CROTONATE) |
| | | | | | | | | KARMEX (see 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLUREA) |
| | | | | | | | | KELTHANE (see DICOFOL) |
| 2.96 | 0.705 ^a | - | + | + | + | 1 | 143-50-0 | KEPONE |
| | | | | | | | | KMDS-H (see DEXTRAN SULFATE SODIUM (KMDS-H)) |
| | | | | | | | | LAAM (see 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANOL ACETATE.HCl) |
| 0.141 ^a | NT | + | + | NT | NT | 1,5 | 303-34-4 | LASIOCARPINE |
| 28.4 | - | + | B- | - | - | 1,4 | 301-04-2 | LEAD ACETATE |
| 107 ^a | 472 ^a | + | + | + | + | 1,4 | 1335-32-6 | LEAD ACETATE, BASIC ^h |
| - | - | - | - | - | - | 1 | 19010-66-3 | LEAD DIMETHYLDITHIOCARBAMATE |
| | | | | | | | | LEAD SUBACETATE (see LEAD ACETATE, BASIC) |
| | | | | | | | | LEDATE (see LEAD DIMETHYLDITHIOCARBAMATE) |
| NT | 55.8 | NT | NT | + | - | 1 | 24365-47-7 | LEUPEPTIN |
| | | | | | | | | LIGHT GREEN SF YELLOWISH (see FD & C GREEN NO. 2) |
| | | | | | | | | LINDANE (see gamma-1,2,3,4,5,6-HEXACHLOROCYCLOHEXANE) |
| - | - | - | - | - | - | 1 | 434-13-9 | LITHOCHOLIC ACID |
| - | - | - | - | - | - | 2 | 9000-40-2 | LOCUST BEAN GUM |
| - | NT | - | - | NT | NT | 3 | 21498-08-8 | LOFEXIDINE.HCl |
| NT | 14.8 ^a | NT | NT | + | + | 1 | 21884-44-6 | LUTEOSKYRIN |
| NT | - | NT | NT | - | - | 1 | 8065-91-6 | LUTESTRAL |
| | | | | | | | | MACRODANTIN (see 1-[(5-NITROFURFURYLIDENE) AMINO]HYDANTOIN) |
| | | | | | | | | MAGENTA I (see ROSANILINE.HCl) |
| | | | | | | | | p-MAGENTA (see p-ROSANILINE.HCl) |
| | | | | | | | | MAGNESIUM PEMOLINE (see 2-AMINO-5-PHENYL-2-OXAZOLIN-4-ONE + Mg(OH)2) |
| - | - | - | - | - | - | 1 | 1634-78-2 | MALAOXON |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | - | - | - | - | - | 1 | 121-75-5 | MALATHION | |
| - | - | - | - | - | - | 1,2 | 123-33-1 | MALATHION-O-ANALOG (see MALAOXON) | |
| 67.7 ^a | 14.1 | + | + | - | + | 2,5 | 24382-04-5 | MALEIC HYDRAZIDE | |
| - | - | - | - | - | - | - | - | MALONALDEHYDE, SODIUM SALT | |
| - | - | - | - | - | - | - | - | MAM ACETATE AND CYCASIN MIXTURE (see CYCASIN AND METHYLAZOXYMETHANOL ACETATE) | |
| - | - | - | - | - | - | - | - | MANEB (see MANGANESE ETHYLENEBISTHIOCARBAMATE) | |
| 157 | - | B+ | B+ | - | - | 1 | 12427-38-2 | MANGANESE ETHYLENEBISTHIOCARBAMATE | |
| - | - | - | - | - | - | 2 | 69-65-8 | D-MANNITOL | |
| - | NT | - | NT | NT | NT | 1 | 576-68-1 | MANNITOL NITROGEN MUSTARD | |
| - | - | - | - | - | - | - | - | MeA-alpha-C (see 2-AMINO-3-METHYL-9H-PYRIDO-[2,3-b]-INDOLE) | |
| - | - | - | - | - | - | - | - | MeIQ (see 2-AMINO-3,4-DIMETHYLIMIDAZO[4,5-f]QUINOLINE) | |
| - | - | - | - | - | - | - | - | MeIQx (see 2-AMINO-3,8-DIMETHYLIMIDAZO[4,5-f]QUINOXALINE) | |
| 735 | - | + | - | - | - | 3 | 108-78-1 | MELAMINE | |
| 0.0719 ^{ad} | 0.137 ^{ad} | + | + | + | + | 1 | 148-82-3 | MELPHALAN | |
| - | - | - | - | - | - | 1 | 15356-70-4 | DL-MENTHOL | |
| - | NT | NT | - | NT | NT | 1 | 67-98-1 | MER-25 | |
| 157 ^a | - | P | P | - | E | 1,5 | 149-30-4 | 2-MERCAPTOBENZOTHAZOLE | |
| NT | - | NT | NT | - | - | 1 | 155-04-4 | 2-MERCAPTOBENZOTHAZOLE, ZINC | |
| - | NT | - | NT | NT | NT | 3 | 19767-45-4 | 2-MERCAPTOETHANESULFONATE, SODIUM | |
| - | NT | - | NT | NT | NT | 1 | 50-44-2 | 6-MERCAPTOPURINE | |
| NT | - | NT | NT | - | - | 1 | 7487-94-7 | MERCURIC CHLORIDE | |
| NT | - | NT | NT | - | - | 1 | 115-09-3 | MERCURYMETHYLCHLORIDE | |
| NT | - | NT | NT | - | - | 1 | 72-33-3 | MESTRANOL | |
| 4.46 | NT | + | NT | NT | NT | 1 | 57-39-6 | METEPA | |
| - | - | - | - | - | - | - | - | DL-METHADONE.HCl (see 6-DIMETHYLAMINO-4,4-DIPHENYL-3-HEPTANONE.HCl) | |
| - | NT | - | - | NT | NT | 4 | 531-06-6 | METHAFURYLENE | |
| - | NT | - | - | NT | NT | 4 | 493-78-7 | METHAPHENILENE | |
| 7.65 ^a | NT | + | + | NT | NT | 3 | 135-23-9 | METHAPYRILENE.HCl ^h | |
| 0.9 ^a | NT | + | + | NT | NT | 1 | 60-56-0 | METHIMAZOLE | |
| - | NT | - | NT | NT | NT | 4 | 59-51-8 | DL-METHIONINE | |
| - | - | - | - | - | - | 1 | 59-05-2 | METHOTREXATE ^h | |
| NT | - | NT | NT | - | - | 2 | 80830-39-3 | 2-METHOXY-4-AMINOAZOBENZENE | |
| NT | 60.2 | NT | NT | - | + | 2 | 3544-23-8 | 3-METHOXY-4-AMINOAZOBENZENE | |
| 25.7 ^a | NT | + | + | NT | NT | 1 | 5834-17-3 | 2-METHOXY-3-AMINODIBENZOFURAN | |
| - | - | - | - | - | - | - | - | 2-METHOXY-3-DIBENZOFURANAMINE (see 2-METHOXY-3-AMINODIBENZOFURAN) | |
| - | - | - | - | - | - | 1 | 72-43-5 | METHOXYCHLOR | |
| NT | - | NT | NT | - | - | 1 | 1701-77-5 | METHOXYPHENYLACETIC ACID | |
| 27.3 | NT | + | - | NT | NT | 5 | 298-81-7 | 8-METHOXYPSORALEN | |
| - | - | - | - | - | - | - | - | METHYL ALLYL CHLORIDE (see 3-CHLORO-2-METHYLPROPENE, TECHNICAL GRADE (CONTAINING 5% DIMETHYLVINYL CHLORIDE)) | |
| 11.5 | NT | + | NT | NT | NT | 4 | 57497-34-4 | Z-METHYL-O,N,N-AZOXYETHANE | |
| - | - | - | - | - | - | - | - | Z-METHYL-O,N,N-AZOXYMETHANE (see AZOXYMETHANE) | |
| 839 ^a | - | + | + | - | - | 5 | 598-55-0 | METHYL CARBAMATE | |
| - | NT | - | - | NT | NT | 1 | 6294-89-9 | METHYL CARBAZATE | |
| - | - | - | - | - | - | - | - | METHYL CHLOROFORM (see 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE) | |
| 9.17 ^c | NT | + | NT | NT | NT | 2 | 21340-68-1 | METHYL CLOFENAPATE | |
| NT | 8.03 | NT | NT | B+ | B+ | 1 | --- | 1-METHYL-1,4-DIHYDRO-7-[2-(5-NITROFURYL)VINYL]-4-OXO-1,8-NAPHTHYRIDINE-3-CARBOXYLATE, POTASSIUM | |
| 3.28 ^a | NT | + | NT | NT | NT | 4 | 55-80-1 | 3'-METHYL-4-DIMETHYLAMINOAZOBENZENE | |
| 1.3 ^{bd} | NT | + | NT | NT | NT | 1 | 99-80-9 | N-METHYL-N,4-DINITROSOANILINE | |
| - | - | - | - | - | - | - | - | METHYL ETHYL CELLULOSE (see EDIFAS A) | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|---|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| NT | 0.745 ^{af} | NT | NT | + | + | 1,2 | 758-17-8 | N-METHYL-N-FORMYLHYDRAZINE ^g | |
| - | NT | - | NT | NT | NT | 2 | 27323-65-5 | METHYL LINOLEATE HYDROPEROXIDE | |
| - | NT | - | NT | NT | NT | 2 | --- | METHYL LINOLEATE, NATIVE | |
| - | - | - | - | - | - | 4 | 80-62-6 | METHYL METHACRYLATE | |
| NT | 31.8 | NT | NT | + | NT | 1 | 66-27-3 | METHYL METHANESULFONATE | |
| 0.403 ^a | NT | + | + | NT | NT | 1-5 | 70-25-7 | N-METHYL-N'-NITRO-N-NITROSOGUANIDINE | |
| 48.8 ^a | 1.34 ^a | + | + | + | + | 1 | 129-15-7 | 2-METHYL-1-NITROANTHRAQUINONE | |
| 5.34 | NT | NT | + | NT | NT | 1 | 21638-36-8 | 4-METHYL-1-[(5-NITROFURFURYLIDENE)AMINO]-2-IMIDAZOLIDINONE | |
| 0.468 ^a | NT | + | + | NT | NT | 1 | 16699-10-8 | 4-(4-N-METHYL-N-NITROSAMINOSTYRYL)QUINOLINE | |
| 3.23 ^a | NT | + | + | NT | NT | 1 | 63412-06-6 | N-METHYL-N-NITROBENZAMIDE | |
| 0.633 ^{ad} | NT | + | + | NT | NT | 1 | --- | N-(N-METHYL-N-NITROSO-CARBAMOYL)-L-ORNITHINE | |
| 20.4 | NT | B+ | B+ | NT | NT | 1 | 14026-03-0 | R(-)-2-METHYL-N-NITROSOPIPERIDINE | |
| 13.2 | NT | B+ | B+ | NT | NT | 1 | 36702-44-0 | S(+)-2-METHYL-N-NITROSOPIPERIDINE | |
| | | | | | | | | N-METHYL-N-NITROSOUREA (see N-NITROSO-N-METHYLUREA) | |
| | | | | | | | | METHYL ORANGE B (see FENAMINOSULF, FORMULATED) | |
| NT | - | NT | NT | B- | B- | 3 | 21308-79-2 | METHYL 12-OXO-trans-10-OCTADECENOATE | |
| - | - | - | - | - | - | 1 | 298-00-0 | METHYL PARATHION | |
| | | | | | | | | METHYL-PHENYL-NITROSAMINE (see NITROSOMETHYLANILINE) | |
| - | NT | - | - | NT | NT | 5 | 872-50-4 | N-METHYL-2-PYRROLIDONE | |
| | | | | | | | | METHYL SELENAC (see SELENIUM DIMETHYLDITHIOCARBAMATE) | |
| | | | | | | | | METHYL ZIMATE (see ZINC DIMETHYLDITHIOCARBAMATE) | |
| NT | - | NT | NT | - | - | 1 | 443-72-1 | (N-6)-METHYLADENINE | |
| NT | - | NT | NT | - | - | 1 | 1867-73-8 | (N-6)-METHYLADENOSINE | |
| | | | | | | | | METHYLAZOXYMETHANOL ACETATE AND CYCASIN MIXTURE (see CYCASIN AND METHYLAZOXYMETHANOL ACETATE) | |
| | | | | | | | | METHYLCHOLANTHRENE (see 3-METHYLCHOLANTHRENE) | |
| 0.202 ^a | NT | - | + | NT | NT | 1,2 | 56-49-5 | 3-METHYLCHOLANTHRENE | |
| - | - | - | - | E | - | 5 | 41372-08-1 | alpha-METHYLDOPA SESQUIHYDRATE | |
| - | NT | - | - | NT | NT | 5 | 75011-65-3 | N-METHYLDOPAMINE, O,O'-DIISOBUTYROYL ESTER.HCl | |
| 9.09 ^a | NT | + | + | NT | NT | 1 | 101-14-4 | 4,4'-METHYLENE-BIS(2-CHLOROANILINE) ^g | |
| - | 66.6 | - | NT | - | + | 1 | 64049-29-2 | 4,4'-METHYLENE-BIS(2-CHLOROANILINE).2HCl | |
| 6.91 ^a | NT | + | + | NT | NT | 1 | 838-88-0 | 4,4'-METHYLENE-BIS(2-METHYLANILINE) | |
| 598 ^a | 817 ^a | P | + | + | + | 3-5 | 75-09-2 | METHYLENE CHLORIDE | |
| 16.4 ^a | 207 | + | + | - | + | 1 | 101-61-1 | 4,4'-METHYLENEBIS(N,N-DIMETHYL)BENZENAMINE | |
| 12.5 ^a | 22.3 ^a | + | + | + | + | 3 | 13552-44-8 | 4,4'-METHYLENEDIANILINE.2HCl | |
| - | NT | - | NT | NT | NT | 1 | 471-29-4 | METHYLGUANIDINE | |
| - | NT | B- | B- | NT | NT | 1 | 578-76-7 | 7-METHYLGUANINE | |
| NT | 4.58 ^a | NT | NT | + | + | 1 | 60-34-4 | METHYLHYDRAZINE ^g | |
| NT | 2.51 ^a | NT | NT | + | + | 1 | 302-15-8 | METHYLHYDRAZINE SULFATE | |
| | | | | | | | | METHYLMERCURIC ACETATE (see MERCURYMETHYLCHLORIDE) | |
| | | | | | | | | METHYLMERCURY CHLORIDE (see MERCURYMETHYLCHLORIDE) | |
| 0.103 | NT | + | NT | NT | NT | 5 | --- | 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-BUTANOL | |
| 0.182 | NT | + | NT | NT | NT | 5 | 64091-91-4 | 4-(METHYLNITROSAMINO)-1-(3-PYRRIDYL)-1-(BUTANONE) | |
| NT | 18 | NT | NT | + | - | 1 | --- | (N-6)-(METHYLNITROSO)ADENINE | |
| NT | 15.8 ^a | NT | NT | + | + | 1 | 21928-82-5 | (N-6)-(METHYLNITROSO)ADENOSINE | |
| 0.48 | NT | NT | + | NT | NT | 3 | 33868-17-6 | METHYLNITROSO-CYANAMIDE | |
| - | 13.3 ^a | - | - | + | + | 5 | 924-42-5 | N-METHYLOLACRYLAMIDE | |
| - | NT | - | - | NT | NT | 2 | 91-62-3 | 6-METHYLQUINOLINE | |
| - | NT | - | - | NT | NT | 2 | 611-32-5 | 8-METHYLQUINOLINE | |
| NT | - | NT | NT | - | - | 5 | 622-97-9 | p-METHYLSTYRENE | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|--------|------------|---|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| NT | - | NT | NT | B- | B- | 1,3 | 56-04-2 | METHYLTHIOURACIL [§] |
| - | NT | - | - | NT | NT | 1 | 5800-19-1 | METIAPINE |
| 431 ^a | 347 ^a | + | + | + | + | 1 | 443-48-1 | METRONIDAZOLE |
| - | - | - | - | - | - | 1 | 315-18-4 | MEXACARBATE |
| 4.87 ^a | 53 ^a | + | + | + | + | 1 | 90-94-8 | MICHLER'S KETONE |
| - | 1.1 ^a | - | NT | + | + | 1 | 2385-85-5 | MILBAM (see ZINC DIMETHYLDITHIOCARBAMATE) MIREX |
| 1.46 | NT | + | NT | NT | NT | 1 | 39801-14-4 | MIREX, PHOTO- |
| - | - | - | - | - | - | 5 | 59122-46-2 | MISOPROSTOL |
| 9.81E-4 ^{ad} | NT | + | + | NT | NT | 1 | 50-07-7 | MITOMEN (see NITROGEN MUSTARD N-OXIDE) MITOMYCIN-C MMS (see METHYL METHANESULFONATE) MNNG (see N-METHYL-N'-NITRO-N-NITROSOGUANIDINE) MNU (see N-NITROSO-N-METHYLUREA) MOCA (see 4,4'-METHYLENE-BIS(2-CHLOROANILINE)) |
| NT | 4.48 ^a | NT | NT | + | + | 3 | 1068-57-1 | MONOACETYL HYDRAZINE |
| NT | - | NT | NT | - | - | 1 | 79-11-8 | MONOCHLOROACETIC ACID |
| 0.79 ^a | NT | + | NT | NT | NT | 3 | 315-22-0 | MONOCHLOROBENZENE (see CHLOROBENZENE) MONOCROTALINE |
| NT | - | NT | NT | - | NT | 3 | 32221-81-1 | MONOMETHYL BENZENE (see TOLUENE) DL-MONOSODIUM GLUTAMATE |
| NT | - | NT | NT | - | NT | 3 | 142-47-2 | L-MONOSODIUM GLUTAMATE MONOSODIUM IMINODIACETIC ACID (see IMINODIACETIC ACID, MONOSODIUM) MONURON (see 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA) 8-MOP (see 8-METHOXYPSORALEN) |
| 5.03 | NT | NT | + | NT | NT | 1 | 58139-48-3 | 4-MORPHOLINO-2-(5-NITRO-2-THIENYL)QUINAZOLINE |
| 6.33 | NT | NT | + | NT | NT | 1 | 3031-51-4 | L-5-MORPHOLINOMETHYL-3-[(5-NITROFURFURYLIDENE)AMINO]-2-OXAZOLIDINONE.HCl MUCOCHLORIC ACID (see alpha,beta-DICHLORO-beta-FORMYLACRYLIC ACID) |
| - | NT | - | NT | NT | NT | 1 | 55-98-1 | MYLERAN NABAM (see ETHYLENEBISDITHIOCARBAMATE, DISODIUM) |
| 138 ^a | - | + | + | E | - | 5 | 389-08-2 | NALIDIXIC ACID |
| NT | - | NT | NT | - | - | 1 | 86-86-2 | 1-NAPHTHALENE ACETAMIDE |
| NT | - | NT | NT | - | - | 1 | 86-87-3 | 1-NAPHTHALENE ACETIC ACID |
| 50.8 | 66.6 ^a | - | + | + | + | 1 | 2243-62-1 | 1,5-NAPHTHALENEDIAMINE |
| - | - | - | - | - | - | 1 | 1465-25-4 | N-(1-NAPHTHYL)ETHYLENEDIAMINE.2HCl |
| NT | - | NT | NT | - | - | 1 | 93-46-9 | sym.-dibeta-NAPHTHYL-p-PHENYLENEDIAMINE |
| NT | - | NT | NT | - | - | 1 | 86-88-4 | 1-(1-NAPHTHYL)-2-THIOUREA |
| 61.6 | 20.5 ^a | B- | + | B+ | + | 1,2 | 91-59-8 | 2-NAPHTHYLAMINE [§] beta-NAPHTHYLAMINE (see 2-NAPHTHYLAMINE) |
| NT | - | NT | NT | - | - | 2 | 81-16-3 | 2-NAPHTHYLAMINO,1-SULFONIC ACID NAS (see 2-NAPHTHYLAMINO,1-SULFONIC ACID) |
| - | NT | - | - | NT | NT | 5 | 88385-81-3 | NEOSUGAR NEW COCCINE (see SX PURPLE) NFTA (see N-[4-(5-NITRO-2-FURYL)-2-THIAZOLYL]ACETAMIDE) NHEU (see 1-(2-HYDROXYETHYL)-1-NITROSOUREA) |
| - | NT | - | - | NT | NT | 1 | 7440-02-0 | NICKEL |
| NT | - | NT | NT | - | - | 1 | 373-02-4 | NICKEL (II) ACETATE |
| NT | - | NT | NT | - | - | 1 | 13927-77-0 | NICKEL DIBUTYLDITHIOCARBAMATE NICLOSAMIDE (see CLONITRALID) |
| NT | - | NT | NT | - | - | 3 | 98-92-0 | NICOTINAMIDE |
| - | NT | - | - | NT | NT | 1 | 54-11-5 | NICOTINE |
| NT | - | NT | NT | - | - | 2 | 636-79-3 | NICOTINE.HCl |
| NT | - | NT | NT | - | - | 2 | 59-67-6 | NICOTINIC ACID |
| NT | 145 ^a | NT | NT | + | + | 1 | 553-53-7 | NICOTINIC ACID HYDRAZIDE |
| - | NT | - | - | NT | NT | 1 | --- | NIGROSINE |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|---------|------------|---|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| NT | - | NT | NT | B- | B- | 1 | 12034-09-2 | NIOBATE, SODIUM |
| 131 | 758 | - | + | + | - | 1 | 139-94-6 | NITHIAZIDE |
| - | NT | - | - | NT | NT | 1,2 | 7631-99-4 | NITRATE, SODIUM |
| NT | - | NT | NT | NT | - | 1 | 10102-43-9 | NITRIC OXIDE |
| 1450 ^a | 1470 ^a | + | + | + | + | 1 | 139-13-9 | NITRILOTRIACETIC ACID |
| 224 ^a | - | + | + | - | - | 1 | 18662-53-8 | NITRILOTRIACETIC ACID, TRISODIUM SALT, MONOHYDRATE |
| 124 ^a | - | + | + | - | - | 1,2,3,5 | 7632-00-0 | NITRITE, SODIUM ^h |
| - | 2270 | - | - | + | - | 1 | 1777-84-0 | 3-NITRO-p-ACETOPHENETIDE |
| 28.1 ^a | 3720 | + | + | - | + | 1 | 99-59-2 | 5-NITRO-o-ANISIDINE |
| 4.64 ^{ac} | 22.4 | E | + | - | + | 1,5 | 59-87-0 | 5-NITRO-2-FURALDEHYDE SEMICARBAZONE |
| - | NT | NT | - | NT | NT | 1 | 772-43-0 | 5-NITRO-2-FURAMIDOXIME |
| - | NT | NT | - | NT | NT | 1 | 92-55-7 | 5-NITRO-2-FURANMETHANEDIOL DIACETATE |
| 11.9 ^a | 20.3 ^{ac} | + | + | + | + | 1 | 75198-31-1 | 3-(5-NITRO-2-FURYL)-IMIDAZO(1,2- α)PYRIDINE |
| 8.61 | NT | NT | + | NT | NT | 1 | 2122-86-3 | 5-(5-NITRO-2-FURYL)-1,3,4-OXADIAZOLE-2-OL |
| 59.6 ^b | NT | NT | + | NT | NT | 1 | 36133-88-7 | N-([3-(5-NITRO-2-FURYL)-1,2,4-OXADIAZOLE-5-YL]-METHYL)ACETAMIDE |
| 8.84 | 6.74 | NT | + | NT | + | 1 | 2578-75-8 | N-[5-(5-NITRO-2-FURYL)-1,3,4-THIADIAZOL-2-YL]ACETAMIDE |
| 7.68 | NT | NT | + | NT | NT | 2 | 53757-28-1 | 4-(5-NITRO-2-FURYL)THIAZOLE |
| 10.5 ^a | NT | NT | + | NT | NT | 1 | 531-82-8 | N-[4-(5-NITRO-2-FURYL)-2-THIAZOLYL]ACETAMIDE ^g |
| 1.31 ^{af} | 7.72 ^{af} | + | + | + | + | 1-4 | 24554-26-5 | N-[4-(5-NITRO-2-FURYL)-2-THIAZOLYL]FORMAMIDE ^g |
| 14.1 | NT | NT | + | NT | NT | 1 | 51325-35-0 | N,N'-[6-(5-NITRO-2-FURYL)-s-TRIAZINE-2,4-DIYL]BISACETAMIDE |
| 8.66 | 0.346 | B+ | B+ | B+ | B+ | 1 | 4812-22-0 | 3-NITRO-3-HEXENE |
| - | - | E | - | - | - | 1,5 | 121-19-7 | 3-NITRO-4-HYDROXYPHENYLARSONIC ACID |
| - | 614 | - | - | - | + | 1 | 5307-14-2 | 2-NITRO-p-PHENYLENEDIAMINE |
| - | - | - | - | - | - | 1 | 99-56-9 | 4-NITRO-o-PHENYLENEDIAMINE |
| - | 242 ^a | - | - | + | + | 1 | 99-55-8 | 5-NITRO-o-TOLUIDINE |
| 5.98 ^a | 45.3 | + | + | - | + | 1 | 602-87-9 | 5-NITROACENAPHTHENE ^h |
| - | - | - | - | - | - | 1 | 619-17-0 | 4-NITROANTHRANILIC ACID |
| - | 354 ^a | - | - | + | + | 1 | 94-52-0 | 6-NITROBENZIMIDAZOLE |
| 420 | 64.2 ^a | I | + | + | + | 1 | 1836-75-5 | NITROFEN |
| | | | | | | | | NITROFURANTOIN (see 1-[(5-NITROFURFURYLIDENE)AMINO]HYDANTOIN) |
| | | | | | | | | NITROFURAZONE (see 5-NITRO-2-FURALDEHYDE SEMICARBAZONE) |
| 698 | 866 | P | - | - | + | 1,3,5 | 67-20-9 | 1-[(5-NITROFURFURYLIDENE)AMINO]HYDANTOIN |
| 5.26 | NT | NT | + | NT | NT | 1 | 555-84-0 | 1-[(5-NITROFURFURYLIDENE)AMINO]-2-IMIDAZOLIDINONE |
| 0.0114 ^d | NT | + | NT | NT | NT | 1 | 51-75-2 | NITROGEN MUSTARD |
| 0.764 ^d | NT | + | NT | NT | NT | 1 | 126-85-2 | NITROGEN MUSTARD N-OXIDE |
| | | | | | | | | NITROGEN OXIDE (see NITROUS OXIDE) |
| - | - | - | - | - | - | 1 | 86-57-7 | 1-NITRONAPHTHALENE |
| | | | | | | | | D-(-)-threo-1-(p-NITROPHENYL)-2-DICHLOROACETAMIDO-1,3-PROPANEDIOL (see CHLORAMPHENICOL) |
| - | NT | - | - | NT | NT | 3,5 | 108-03-2 | 1-NITROPROPANE |
| - | NT | - | - | NT | NT | 1 | 79-46-9 | 2-NITROPROPANE |
| - | - | A | - | - | - | 1 | 504-88-1 | 3-NITROPROPIONIC ACID |
| - | NT | - | - | NT | NT | 2 | 613-50-3 | 6-NITROQUINOLINE |
| 9.55 ^a | NT | + | + | NT | NT | 2 | 607-35-2 | 8-NITROQUINOLINE |
| 0.364 | NT | + | NT | NT | NT | 1 | 38777-13-8 | NITROSO-BAYGON |
| 0.707 ^a | NT | + | + | NT | NT | 2 | 83335-32-4 | N-NITROSO-BIS-(4,4,4-TRIFLUORO-N-BUTYL)AMINE |
| | | | | | | | | N-NITROSO-3,6-DIHYDROOXAZINE-1,2 (see 3,6-DIHYDRO-2-NITROSO-2H-1,2-OXAZINE) |
| - | NT | - | - | NT | NT | 3 | 62641-67-2 | 1-NITROSO-5,6-DIHYDROTHYMINE |
| 0.0932 ^a | NT | + | + | NT | NT | 1 | 16813-36-8 | 1-NITROSO-5,6-DIHYDROURACIL |
| 0.0535 | NT | NT | + | NT | NT | 3 | 89911-79-5 | N-NITROSO-2,3-DIHYDROXYPROPYL-2-HYDROXYPROPYLAMINE ^g |
| 0.0352 | NT | NT | + | NT | NT | 3 | 92177-50-9 | NITROSO-2,3-DIHYDROXYPROPYL-2-OXOPROPYLAMINE ^g |
| 5.98 | NT | NT | + | NT | NT | 3 | 89911-78-4 | N-NITROSO-2,3-DIHYDROXYPROPYLETHANOLAMINE ^h |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | |
|------------------------------|--------------------|------------|----|----|----|---------|-------------|---|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | Chemical Name |
| 9.66 | NT | NT | + | NT | NT | 2 | 61034-40-0 | 1-NITROSO-3,5-DIMETHYL-4-BENZOYLPIPERAZINE |
| NT | NT | NT | NT | NT | NT | 1 | 1456-28-6 | NITROSO-2,6-DIMETHYLMORPHOLINE ⁸ |
| 0.15 ^a | NT | + | + | NT | NT | 4 | --- | 1-NITROSO-1-HYDROXYETHYL-3-CHLOROETHYLUREA |
| 0.861 ^a | NT | + | + | NT | NT | 4 | --- | N-NITROSO-2-HYDROXYETHYLUREA (see 1-(2-HYDROXYETHYL)-1-NITROSOUREA) |
| 1.02 | NT | NT | + | NT | NT | 3 | 75896-33-2 | 1-NITROSO-1-(2-HYDROXYPROPYL)-3-CHLOROETHYLUREA |
| 7.65 | NT | B+ | B+ | NT | NT | 3 | 56222-35-6 | N-NITROSO-(2-HYDROXYPROPYL)-(2-HYDROXYETHYL)AMINE |
| 4.73 | NT | NT | + | NT | NT | 3 | 760-60-1 | N-NITROSO-3-HYDROXYPYRROLIDINE |
| 0.487 ^a | NT | + | + | NT | NT | 2,3 | 55090-44-3 | N-NITROSO-N-ISOBUTYLUREA |
| 0.255 | NT | + | NT | NT | NT | 3 | 937-25-7 | N-NITROSO-N-METHYL-N-DODECYLAMINE |
| - | NT | - | NT | NT | NT | 3 | 943-41-9 | N-NITROSO-N-METHYL-4-FLUOROANILINE |
| 0.00788 ^a | NT | + | NT | NT | NT | 1 | 13256-11-6 | N-NITROSO-N-METHYL-4-NITROANILINE |
| 1.65 ^c | NT | + | NT | NT | NT | 2 | 75881-20-8 | NITROSO-N-METHYL-N-(2-PHENYL)ETHYLAMINE |
| 1.26 | NT | + | NT | NT | NT | 2 | 75881-22-0 | N-NITROSO-N-METHYL-N-TETRADECYLAMINE |
| NT | NT | NT | NT | NT | NT | 4 | 79624-33-2 | N-NITROSO-N-METHYLDECYLAMINE |
| NT | NT | NT | NT | NT | NT | 1 | 684-93-5 | NITROSO-5-METHYLOXAZOLIDONE ⁸ |
| NT | NT | NT | NT | NT | NT | 1 | 615-53-2 | N-NITROSO-N-METHYLUREA ⁸ |
| NT | NT | NT | NT | NT | NT | 1 | 615-53-2 | N-NITROSO-N-METHYLURETHAN ⁸ |
| 0.262 ^{ac} | NT | + | NT | NT | NT | 3,4 | 39884-52-1 | N-NITROSO-1,3-OXAZOLIDINE ⁸ |
| 1.8 | NT | NT | + | NT | NT | 5 | 38347-74-9 | 3-NITROSO-2-OXAZOLIDINONE |
| 0.166 ^d | NT | NT | + | NT | NT | 3 | 92177-49-6 | NITROSO-2-OXOPROPYLETHANOLAMINE ⁸ |
| 0.0374 ^a | NT | NT | + | NT | NT | 3 | 15973-99-6 | DI(N-NITROSO)-PERHYDROPYRIMIDINE |
| 2.52 | NT | NT | + | NT | NT | 1 | 55556-92-8 | NITROSO-1,2,3,6-TETRAHYDROPYRIDINE |
| 3.31 ^d | NT | + | NT | NT | NT | 3 | 82018-90-4 | N-NITROSO(2,2,2-TRIFLUOROETHYL)ETHYLAMINE |
| 0.151 | NT | NT | + | NT | NT | 1 | 29929-77-9 | N-NITROSO-2,2,4-TRIMETHYL-1,2-DIHYDROQUINOLINE POLYMER |
| 0.825 | NT | NT | + | NT | NT | 3 | 75881-18-4 | 1-NITROSO-3,4,5-TRIMETHYLPIPERAZINE ⁸ |
| 0.877 | NT | NT | + | NT | NT | 3 | 88208-16-6 | N-NITROSOALLYL-2,3-DIHYDROXYPROPYLAMINE |
| 0.335 | NT | NT | + | NT | NT | 3 | 91308-70-2 | N-NITROSOALLYL-2-HYDROXYPROPYLAMINE |
| 0.491 | NT | NT | + | NT | NT | 3 | 91308-71-3 | N-NITROSOALLYL-2-OXOPROPYLAMINE ⁸ |
| 1.01 | NT | NT | + | NT | NT | 3 | 91308-69-9 | N-NITROSOALLYLETHANOLAMINE |
| 11 ^a | NT | NT | + | NT | NT | 2 | --- | NITROSOAMYLURETHAN |
| NT | NT | NT | + | NT | NT | 1 | 1133-64-8 | NITROSOANABASINE |
| 1.13 | NT | NT | NT | NT | NT | 3 | 15216-10-1 | N-NITROSOAZETIDINE ⁸ |
| 0.813 ^a | NT | B+ | B+ | NT | NT | 1 | 51542-33-7 | N-NITROSOBENZTHIAZURON |
| 0.232 ^a | NT | + | + | NT | NT | 1,3 | 53609-64-6 | N-NITROSOBIS(2-HYDROXYPROPYL)AMINE |
| - | NT | + | + | NT | NT | 2,3 | 60599-38-4 | N-NITROSOBIS(2-OXOPROPYL)AMINE |
| NT | - | - | - | NT | NT | 1 | 625-89-8 | N-NITROSOBIS(2,2,2-TRIFLUOROETHYL)AMINE |
| - | NT | NT | NT | - | - | 1 | 51715-17-4 | NITROSOCHLORDIAZEPOXIDE |
| 0.691 | 1.09 | - | - | NT | NT | 3 | 73785-40-7 | N-NITROSOCIMETIDINE |
| 1.9 ^{af} | NT | + | NT | + | NT | 1,3 | 924-16-3 | NITROSODIBUTYLAMINE |
| 0.00787 ^{af} | NT | + | + | NT | NT | 2,3,5 | 1116-54-7 | N-NITROSODIETHANOLAMINE |
| 0.0587 ^{af} | 0.153 ^a | + | + | NT | NT | 1,3,5 | 55-18-5 | N-NITROSODIETHYLAMINE ⁸ |
| 116 ^a | - | + | + | - | - | 1,2,3,5 | 62-75-9 | N-NITROSODIMETHYLAMINE |
| 201 | 340 | + | + | - | - | 1 | 86-30-6 | N-NITROSODIPHENYLAMINE |
| 0.186 | NT | + | - | + | - | 1 | 156-10-5 | p-NITROSODIPHENYLAMINE |
| - | NT | NT | + | NT | NT | 3 | 621-64-7 | N-NITROSODIPROPYLAMINE |
| 10.9 ^a | NT | NT | - | NT | NT | 5 | 114282-83-6 | N-NITROSODITHIAZINE |
| 95.2 | NT | + | + | NT | NT | 3 | 40580-89-0 | NITROSODODECAMETHYLENEIMINE |
| | | + | NT | NT | NT | 1 | 17608-59-2 | N-NITROSOEPHEDRINE |
| | | | | | | | | NITROSOETHANECARBAMONITRILE (see ETHYLNITROSOCYANAMIDE) |
| 0.0503 | NT | + | - | NT | NT | 3,5 | 10595-95-6 | NITROSOETHYLMETHYLAMINE |
| 0.248 | NT | NT | + | NT | NT | 2 | 614-95-9 | NITROSOETHYLURETHAN |
| - | NT | - | NT | NT | NT | 5 | 55557-02-3 | N-NITROSOGUVACOLINE |
| 0.0292 ^a | NT | + | NT | NT | NT | 1 | 20917-49-1 | NITROSOHEPTAMETHYLENEIMINE |
| NT | 0.313 ^a | NT | NT | + | + | 3 | 932-83-2 | N-NITROSOHEXAMETHYLENEIMINE |
| 43.8 ^a | NT | + | + | NT | NT | 1 | 42579-28-2 | 1-NITROSOHYDANTOIN |
| - | NT | - | - | NT | NT | 1 | 30310-80-6 | NITROSOHYDROXYPROLINE |
| - | NT | - | - | NT | NT | 1 | 25081-31-6 | NITROSOIMINODIACETIC ACID |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|---------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| 0.646 | NT | NT | + | NT | NT | 3 | 86451-37-8 | N-NITROSOMETHYL-2,3-DIHYDROXYPROPYLAMINE ^g NITROSOMETHYL-N-DODECYLAMINE (see N-NITROSO-N-METHYL-N-DODECYLAMINE) | |
| 1.29 | NT | + | NT | NT | NT | 5 | 26921-68-6 | N-NITROSOMETHYL-(2-HYDROXYETHYL)AMINE | |
| 1.09 ^a | NT | + | + | NT | NT | 5 | 70415-59-7 | N-NITROSOMETHYL-(3-HYDROXYPROPYL)AMINE | |
| 0.0442 ^a | NT | + | + | NT | NT | 3 | 75411-83-5 | N-NITROSOMETHYL-2-HYDROXYPROPYLAMINE | |
| 3.47 ^a | NT | + | + | NT | NT | 5 | --- | N-NITROSOMETHYL-(2-TOSYLOXYETHYL)AMINE | |
| 0.214 | NT | NT | + | NT | NT | 1 | 16219-98-0 | 2-NITROSOMETHYLAMINOPYRIDINE | |
| - | NT | NT | - | NT | NT | 1 | 69658-91-9 | 3-NITROSOMETHYLAMINOPYRIDINE | |
| - | NT | NT | - | NT | NT | 1 | 16219-99-1 | 4-NITROSOMETHYLAMINOPYRIDINE | |
| 0.0343 ^{af} | NT | + | + | NT | NT | 1,3 | 614-00-6 | NITROSOMETHYLANILINE N-NITROSOMETHYLETHYLAMINE (see NITROSOETHYLMETHYLAMINE) | |
| NT | - | NT | NT | - | - | 1 | 55557-03-4 | NITROSOMETHYLPHENIDATE | |
| 2.37 | NT | + | NT | NT | NT | 1 | 68107-26-6 | NITROSOMETHYLUNDECYLAMINE NITROSOMETHYLUREA (see N-NITROSO-N-METHYLUREA) | |
| 0.127 ^a | NT | NT | + | NT | NT | 3,5 | 59-89-2 | NITROSOMORPHOLINE (see N-NITROSOMORPHOLINE) N-NITROSOMORPHOLINE ^g | |
| NT | NT | NT | NT | NT | NT | 3 | 16543-55-8 | N'-NITROSONORNICOTINE ^g | |
| 0.573 ^a | NT | + | + | NT | NT | 3 | 78246-24-9 | N'-NITROSONORNICOTINE-1-N-OXIDE ^h NITROSOOXAZOLIDONE (see N-NITROSO-1,3-OXAZOLIDINE) | |
| - | NT | - | - | NT | NT | 1 | 4515-18-8 | NITROSOPIPECOLIC ACID NITROSOPIPERAZINE (see N-NITROSOPIPERAZINE) 1-NITROSOPIPERAZINE (see N-NITROSOPIPERAZINE) | |
| 5.51 ^{ab} | NT | + | + | NT | NT | 1 | 5632-47-3 | N-NITROSOPIPERAZINE | |
| 1.57 | 1.3 | B+ | B+ | + | NT | 1,3 | 100-75-4 | N-NITROSOPIPERIDINE ^g | |
| - | NT | - | - | NT | NT | 1 | 7519-36-0 | NITROSOPROLINE NITROSOPYRROLIDINE (see N-NITROSOPYRROLIDINE) | |
| 0.409 ^{ac} | 0.679 | + | + | + | NT | 1,2,4,5 | 930-55-2 | N-NITROSOPYRROLIDINE ^g | |
| 0.483 | NT | NT | + | NT | NT | 5 | 81795-07-5 | N-NITROSOTHIALDINE | |
| 4.15 ^a | NT | + | + | NT | NT | 1 | 26541-51-5 | N-NITROSOTHIOMORPHOLINE | |
| 50.7 | NT | + | NT | NT | NT | 2 | 611-23-4 | o-NITROSOTOLUENE beta-NITROSTYRENE AND STYRENE MIXTURE (see STYRENE AND beta-NITROSTYRENE MIXTURE) | |
| NT | - | NT | NT | - | - | 4 | 10024-97-2 | NITROUS OXIDE | |
| NT | - | NT | NT | - | - | 1 | 68-23-5 | NORETHYNODREL NORETHYNODREL/MESTRANOL [25:1] (see ENOVID-E) NORETHYNODREL/MESTRANOL [66:1] (see ENOVID) | |
| - | NT | - | NT | NT | NT | 1 | 244-63-3 | NORHARMAN | |
| 1.94 | 1.34 ^b | B+ | B+ | NT | + | 1,2 | 8015-12-1 | NORLESTRIN ^h | |
| - | - | B- | B- | B- | B- | 1 | --- | NOVADELOX | |
| 0.0579 ^a | 3.53 ^a | + | + | + | + | 1,4,5 | 303-47-9 | OCHRATOXIN A | |
| - | NT | - | - | NT | NT | 4 | 29082-74-4 | OCTACHLOROSTYRENE DI-sec-OCTYL PHTHALATE (see DI(2-ETHYLHEXYL)PHTHALATE) 17beta-OESTRADIOL (see ESTRADIOL) | |
| - | NT | - | - | NT | NT | 4 | 143-19-1 | OLEATE, SODIUM | |
| - | - | - | - | - | - | 4 | 73590-58-6 | OMEPRAZOLE | |
| 1710 | - | - | + | - | - | 5 | 6373-74-6 | C.I. ACID ORANGE 3 | |
| - | - | - | - | - | - | 5 | 1936-15-8 | C.I. ACID ORANGE 10 ORTHOXENOL (see o-PHENYLPHENOL) OTOS (see N-OXYDIETHYLENE THIOCARBAMYL-N-OXYDIETHYLENE SULFENAMIDE) OVEX (see p-CHLOROPHENYL-p-CHLOROBENZENE SULFONATE) | |
| NT | - | NT | NT | - | - | 1 | 8056-92-6 | OVULEN OVULEN-50 (see ETHYNODIOL DIACETATE) | |
| - | - | - | - | - | - | 4 | 23135-22-0 | OXAMYL | |
| 6.17 | NT | NT | + | NT | NT | 1 | 3096-50-2 | N-(9-OXO-2-FLUORENYL)ACETAMIDE | |
| - | NT | - | NT | NT | NT | 1 | 30418-53-2 | 1'-OXOSAFROLE | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|--------------------|------------|----|----|----|--------|------------|---|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | - | - | - | - | - | 1 | 6452-73-9 | OXPRENOLOL.HCl | |
| 6.65 ^a | 19.7 ^a | + | + | + | + | 2 | 101-80-4 | 4,4'-OXYDIANILINE | |
| 85.5 ^a | NT | + | + | NT | NT | 4 | 13752-51-7 | N-OXYDIETHYLENE THIOCARBAMYL-N-OXYDIETHYLENE SULFENAMIDE | |
| NT | - | NT | NT | - | - | 1 | 102-77-2 | N-OXYDIETHYLENEBENZOTHAZOLE-2-SULFENAMIDE | |
| - | - | E | E | - | - | 4 | 2058-46-0 | OXYTETRACYCLINE.HCl | |
| - | - | A | A | - | - | 1 | 56-38-2 | PARACETAMOL (see ACETAMINOPHEN) | |
| - | NT | NT | - | NT | NT | 1 | 149-29-1 | PARATHION | |
| - | - | - | - | - | - | 5 | 132-98-9 | PARAXENOL (see p-PHENYLPHENOL) | |
| - | - | - | - | - | - | 5 | 132-98-9 | PATULIN | |
| - | 39.8 ^a | A | - | + | + | 3 | 76-01-7 | PCBs (see AROCLOR 1254) | |
| - | 71.1 | - | - | + | - | 1,4 | 82-68-8 | PCBs (see AROCLOR 1260) | |
| NT | - | NT | NT | NT | - | 3 | 87-86-5 | PCBs (see KANECHLOR 400) | |
| - | 17.5 ^a | - | - | + | + | 1,5 | 87-86-5 | PCNB (see PENTACHLORONITROBENZENE) | |
| NT | 10.5 ^a | NT | NT | + | P | 5 | 87-86-5 | PCP (see 2,3,4,5,6-PENTACHLOROPHENOL) | |
| - | - | E | E | - | - | 5 | 78-11-5 | PENICILLIN VK | |
| NT | 3.12 ^a | NT | NT | + | + | 5 | 57590-20-2 | PENTA (see 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7)) | |
| - | NT | - | NT | NT | NT | 1 | 13010-10-1 | PENTACHLOROETHANE | |
| NT | 5.87 | NT | NT | - | + | 1 | 1119-68-2 | PENTACHLORONITROBENZENE | |
| NT | - | NT | NT | - | NT | 1 | 8006-90-4 | 2,3,4,5,6-PENTACHLOROPHENOL | |
| 0.662 ^a | NT | + | + | NT | NT | 1 | 60102-37-6 | 2,3,4,5,6-PENTACHLOROPHENOL (Dowicide EC-7) | |
| 741 ^a | 1100 ^{af} | + | + | + | + | 1-3 | 62-44-2 | 2,3,4,5,6-PENTACHLOROPHENOL, TECHNICAL GRADE | |
| 1230 | NT | + | NT | NT | NT | 1 | 60-80-0 | PENTAERYTHRITOL TETRANITRATE WITH 80% D-LACTOSE MONOHYDRATE | |
| 303 ^a | 71.1 | + | + | - | + | 1 | 136-40-3 | D-LACTOSE MONOHYDRATE | |
| 0.523 | 0.211 ^a | - | + | + | + | 1 | 3546-10-9 | PHENACETIN | |
| - | - | - | - | - | - | 1 | 834-28-6 | PHENACETIN, ASPIRIN, AND CAFFEINE (see ASPIRIN, PHENACETIN, AND CAFFEINE) | |
| - | 4.18 ^a | - | - | + | + | 1-5 | 50-06-6 | PHENAZONE | |
| 74.3 ^a | 34.6 ^a | + | + | + | + | 1,4 | 57-30-7 | PHENAZOPYRIDINE.HCl | |
| - | - | - | - | - | - | 2 | 108-95-2 | PHENESTERIN | |
| NT | - | NT | NT | - | - | 1 | 92-84-2 | PHENFORMIN.HCl | |
| 0.71 ^{ad} | 4.95 ^{ad} | + | + | + | + | 1 | 63-92-3 | PHENOBARBITAL ^h | |
| 2.31 | NT | B+ | B+ | NT | NT | 1 | 7227-91-0 | PHENOBARBITAL, SODIUM | |
| NT | - | NT | NT | - | - | 1 | 103-72-0 | PHENOBARBITONE (see PHENOBARBITAL) | |
| - | - | - | - | - | - | 1 | 89-25-8 | PHENOBARBITONE, SODIUM (see PHENOBARBITAL, SODIUM) | |
| - | - | - | - | - | E | 1,2,5 | 135-88-6 | PHENOL | |
| - | - | - | - | - | - | 1 | 2198-59-6 | PHENOTHIAZINE | |
| - | - | - | - | - | - | 1 | 103-85-5 | PHENOXYBENZAMINE.HCl | |
| 17.7 ^a | - | + | + | - | - | 1,2 | 842-07-9 | 1-PHENYL-3,3-DIMETHYLTRIAZENE | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| - | NT | - | - | NT | NT | 5 | 50-33-9 | PHENYLBUTAZONE |
| NT | - | NT | NT | - | - | 5 | 108-45-2 | m-PHENYLENEDIAMINE |
| - | NT | - | - | NT | NT | 3 | 106-50-3 | p-PHENYLENEDIAMINE |
| - | - | - | NT | - | - | 1 | 541-69-5 | m-PHENYLENEDIAMINE.2HCl |
| 248 | 611 ^a | + | NT | + | + | 1 | 615-28-1 | o-PHENYLENEDIAMINE.2HCl |
| - | - | - | - | - | - | 1 | 624-18-0 | p-PHENYLENEDIAMINE.2HCl |
| - | - | - | - | - | - | 4 | 61-76-7 | PHENYLEPHRINE.HCl |
| | | | | | | | | PHENYLETHYLBARBITURIC ACID (see PHENOBARBITAL) |
| NT | 14.6 | NT | NT | - | + | 1 | 156-51-4 | PHENYLETHYLHYDRAZINE SULFATE |
| 29.1 ^a | NT | + | + | NT | NT | 3 | 122-60-1 | PHENYLGLYCIDYL ETHER |
| NT | - | NT | NT | NT | - | 1 | 100-63-0 | PHENYLHYDRAZINE |
| NT | 70.6 ^a | NT | NT | + | + | 1 | 59-88-1 | PHENYLHYDRAZINE.HCl |
| NT | - | NT | NT | - | - | 3 | 66-05-7 | beta-PHENYLISOPROPYLHYDRAZINE.HCl |
| NT | - | NT | NT | - | - | 1 | 62-38-4 | PHENYLMERCURIC ACETATE |
| 195 ^{af} | - | + | + | - | - | 1,3,4 | 132-27-4 | o-PHENYLPHENATE, SODIUM |
| 232 | - | + | NT | - | - | 1,3 | 90-43-7 | o-PHENYLPHENOL |
| NT | - | NT | NT | - | - | 1 | 92-69-3 | p-PHENYLPHENOL |
| | | | | | | | | PHENYTOIN (see 5,5-DIPHENYLHYDANTOIN) |
| NT | 2.21 ^d | NT | NT | - | + | 1 | 17673-25-5 | PHORBOL |
| NT | - | I | I | - | - | 1 | 13171-21-6 | PHOSPHAMIDON |
| - | NT | - | - | NT | NT | 1 | --- | PHOSPHATED DISTARCH PHOSPHATE |
| - | NT | - | - | NT | NT | 4 | 7803-51-2 | PHOSPHINE |
| | | | | | | | | PHOTODIELDRIN (see DIELDRIN, PHOTO-) |
| | | | | | | | | PHOTOMIREX (see MIREX, PHOTO-) |
| - | - | - | - | - | - | 1 | 88-96-0 | PHTHALAMIDE |
| - | - | - | - | - | - | 1 | 85-44-9 | PHTHALIC ANHYDRIDE |
| | | | | | | | | PHTIVAZID (see ISONICOTINIC ACID VANILLYLIDENEHYDRAZIDE) |
| - | - | - | A | - | - | 1 | 1918-02-1 | PICLORAM |
| NT | - | NT | NT | - | - | 3 | 56393-22-7 | PILDALAZINE |
| - | NT | - | - | NT | NT | 1 | 92-13-7 | PILOCARPINE |
| - | NT | - | - | NT | NT | 1 | 7681-93-8 | PIMARICIN |
| | | | | | | | | PIP (see N-NITROSOPIPERIDINE) |
| - | NT | - | - | NT | NT | 1 | 110-85-0 | PIPERAZINE |
| - | NT | - | - | NT | NT | 1 | 110-89-4 | PIPERIDINE |
| - | - | - | - | - | - | 1,4 | 51-03-6 | PIPERONYL BUTOXIDE |
| NT | - | NT | NT | - | - | 1 | 51-03-6 | PIPERONYL BUTOXIDE IN SOLVENT |
| - | 62.2 | - | - | + | - | 1 | 120-62-7 | PIPERONYL SULFOXIDE |
| 154 ^a | - | + | + | - | - | 1 | 1955-45-9 | PIVALOLACTONE |
| | | | | | | | | PLANOFIX (see 1-NAPHTHALENE ACETIC ACID) |
| 0.148 ^a | 0.381 ^a | + | + | + | + | 3 | 67774-32-7 | POLYBROMINATED BIPHENYL MIXTURE |
| - | NT | NT | - | NT | NT | 1 | 59536-65-1 | POLYBROMINATED BIPHENYLS |
| | | | | | | | | POLYCHLORINATED BIPHENYLS (see AROCLOR 1254) |
| | | | | | | | | POLYCHLORINATED BIPHENYLS (see AROCLOR 1260) |
| | | | | | | | | POLYCHLORINATED BIPHENYLS (see KANECHLOR 400) |
| - | - | NT | - | NT | - | 1 | --- | POLYVINYLPIRIDINE-N-OXIDE |
| | | | | | | | | PONCEAU 3R (see FD & C RED NO. 1) |
| | | | | | | | | PONCEAU 4R (see SX PURPLE) |
| | | | | | | | | PONCEAU MX (see D & C RED NO. 5) |
| | | | | | | | | PONCEAU SX (see FD & C RED NO. 4) |
| | | | | | | | | POTASSIUM BROMATE (see BROMATE, POTASSIUM) |
| - | NT | - | NT | NT | NT | 4 | 7447-40-7 | POTASSIUM CHLORIDE |
| | | | | | | | | POTASSIUM METABISULFITE (see SULFITE, POTASSIUM METABI-) |
| - | NT | - | - | NT | NT | 2 | 55268-74-1 | PRAZICQUANTEL ^h |
| 19.2 | NT | NT | + | NT | NT | 4 | 29069-24-7 | PREDNIMUSTINE |
| - | NT | NT | - | NT | NT | 4 | 50-24-8 | PREDNISOLONE |
| - | NT | - | - | NT | NT | 1 | --- | PREMARIN |
| NT | - | NT | NT | - | - | 3 | 40778-40-3 | PRIMIDOL.HCl |
| 4.01 ^d | NT | + | NT | NT | NT | 1 | 671-16-9 | PROCARBAZINE |
| 0.284 ^{ad} | 0.194 ^{ad} | + | + | + | + | 1 | 366-70-1 | PROCARBAZINE.HCl ^g |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | |
|------------------------------|-------------------|------------|----|----|----|--------|------------|---|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | Chemical Name |
| NT | NT | I | I | I | I | 1 | 952-23-8 | PROFLAVINE.HCl HEMIHYDRATE |
| NT | - | NT | NT | - | - | 1 | 54-80-8 | PRONETHALOL |
| NT | - | NT | NT | - | - | 1 | 51-02-5 | PRONETHALOL.HCl |
| 3.64 ^a | NT | + | + | NT | NT | 1 | 1120-71-4 | PROPANE SULTONE |
| NT | - | NT | NT | - | - | 1 | 139-40-2 | PROPАЗINE |
| | | | | | | | | 2-PROPENAMIDE (see ACRYLAMIDE) |
| | | | | | | | | p-PROPENYLANISOLE (see ANETHOLE) |
| 1.34 ^a | 1.16 ^a | NT | + | + | + | 1,2 | 57-57-8 | beta-PROPIOLACTONE |
| - | - | - | - | - | - | 3 | 318-98-9 | PROPRANOLOL.HCl |
| NT | - | NT | NT | - | - | 1 | 1114-71-2 | PROPYL N-ETHYL-N-BUTYLTHIOCARBAMATE |
| NT | 8.74 ^a | NT | NT | + | + | 1 | 77337-54-3 | N-N'-PROPYL-N-FORMYLHYDRAZINE |
| - | - | - | - | - | - | 2,5 | 121-79-9 | PROPYL GALLATE |
| NT | - | NT | NT | - | - | 1 | 83-59-0 | N-PROPYL ISOME |
| 0.919 ^a | NT | + | NT | NT | NT | 1 | 13010-07-6 | N-PROPYL-N'-NITRO-N-NITROGUANIDINE |
| - | - | - | - | - | - | 3,5 | 115-07-1 | PROPYLENE |
| | | | | | | | | PROPYLENE DICHLORIDE (see 1,2-DICHLOROPROPANE) |
| - | NT | - | - | NT | NT | 1 | 57-55-6 | PROPYLENE GLYCOL |
| 35.1 ^{af} | 732 ^a | + | + | + | + | 2,3,5 | 75-56-9 | 1,2-PROPYLENE OXIDE |
| NT | 41.4 ^a | NT | NT | + | + | 1 | 56795-66-5 | PROPYLHYDRAZINE.HCl |
| | | | | | | | | DI-N-PROPYLNITROSAMINE (see N-NITROSODIPROPYLAMINE) |
| 10.3 ^a | 409 | + | + | B+ | B+ | 1 | 51-52-5 | PROPYLTHIOURACIL |
| NT | - | NT | NT | - | - | 3 | 22760-18-5 | PROQUAZONE |
| - | NT | - | NT | NT | NT | 1 | 1508-45-8 | PRORESID |
| 24500 | NT | B+ | B+ | NT | NT | 1 | 2611-82-7 | SX PURPLE |
| | | | | | | | | PYRAZAPON (see RIPAZEPAM) |
| - | - | - | - | - | I | 1 | 98-96-4 | PYRAZINAMIDE |
| | | | | | | | | 3-PYRIDOYL HYDRAZINE (see NICOTINIC ACID HYDRAZIDE) |
| 175 ^a | NT | + | + | NT | NT | 3 | 59-33-6 | PYRILAMINE MALEATE |
| - | - | - | - | I | - | 1 | 58-14-0 | PYRIMETHAMINE |
| 5.12 ^a | - | + | + | - | - | 1,3 | 117-39-5 | QUERCETIN |
| - | NT | - | - | NT | NT | 1-3 | 6151-25-3 | QUERCETIN DIHYDRATE ^h |
| - | - | - | - | - | - | 1,2 | --- | QUILLAIA EXTRACT |
| | | | | | | | | 8-QUINOLINOL (see 8-HYDROXYQUINOLINE) |
| 106 | - | - | + | - | - | 1 | 105-11-3 | p-QUINONE DIOXIME |
| | | | | | | | | QUINTOZENE (see PENTACHLORONITROBENZENE) |
| - | - | - | - | - | - | 1,2 | 3567-69-9 | C.I. BASIC RED 9.HCl (see p-ROSANILINE.HCl) |
| 233 ^a | 659 ^a | + | + | + | + | 1,3 | 3761-53-3 | C.I. FOOD RED 3 |
| 104 | - | + | A | - | - | 1,2 | 5160-02-1 | D & C RED NO. 5 |
| - | NT | - | - | NT | NT | 1 | 1248-18-6 | D & C RED NO. 9 |
| 225 ^{af} | NT | + | + | NT | NT | 1 | 3564-09-8 | D & C RED NO. 10 |
| 632 ^a | NT | B+ | B+ | NT | NT | 1 | 915-67-3 | FD & C RED NO. 1 |
| - | - | - | - | - | - | 1,5 | 16423-68-0 | FD & C RED NO. 2 |
| 6130 ^a | - | B+ | B+ | B- | B- | 1 | 4548-53-2 | FD & C RED NO. 3 |
| - | - | - | - | E | I | 3 | 2871-01-4 | FD & C RED NO. 4 ^h |
| | | | | | | | | HC RED NO. 3 |
| | | | | | | | | REDAX (see N-NITROSODIPHENYLAMINE) |
| | | | | | | | | RENARDINE (see SENKIRKINE) |
| 0.306 | 3.58 ^a | + | - | + | + | 1 | 50-55-5 | RESERPINE |
| - | NT | - | - | NT | NT | 1 | 302-79-4 | RETINOIC ACID |
| - | NT | - | - | NT | NT | 4,5 | 127-47-9 | RETINOL ACETATE |
| - | NT | - | NT | NT | NT | 5 | 79-81-2 | RETINOL PALMITATE |
| - | 33.6 | - | - | - | + | 1 | 13292-46-1 | RIFAMPICIN |
| - | 67.8 ^a | - | - | + | + | 3 | 26308-28-1 | RIPAZEPAM |
| - | NT | - | - | NT | NT | 1,2 | 632-99-5 | ROSANILINE.HCl ^h |
| 21.2 ^a | 28.8 ^a | + | + | + | + | 1-3 | 569-61-9 | p-ROSANILINE.HCl ^h |
| | | | | | | | | ROTAX (see 2-MERCAPTOBENZOTHAZOLE) |
| - | - | E | - | - | - | 1,5 | 83-79-4 | ROTENONE |
| | | | | | | | | ROXARSONE (see 3-NITRO-4-HYDROXYPHENYLARSONIC ACID) |
| | | | | | | | | RUTIN (see RUTIN TRIHYDRATE) |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | | Chemical Name |
|------------------------------|---------------------|------------|----|----|----|--------|------------|--|---------------|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | | |
| - | NT | - | - | NT | NT | 3 | 12768-44-4 | RUTIN SULFATE | |
| - | NT | - | - | NT | NT | 1,2 | 153-18-4 | RUTIN TRIHYDRATE ^h | |
| NT | - | NT | NT | - | - | 1 | 81-07-2 | SACCHARIN | |
| 1110 ^{af} | - | + | - | - | - | 1-4 | 128-44-9 | SACCHARIN, SODIUM | |
| 340 ^a | 27 ^a | + | B+ | + | + | 1-3 | 94-59-7 | SAFROLE | |
| 36.3 ^a | NT | NT | + | NT | NT | 3,5 | 18559-94-9 | SALBUTAMOL | |
| | | | | | | | | SANAMYCIN (see ACTINOMYCIN C) | |
| | | | | | | | | L-SARCOLYSIN (see MELPHALAN) | |
| | | | | | | | | SDDC (see SODIUM DIETHYLDITHIOCARBAMATE TRIHYDRATE) | |
| NT | - | NT | NT | NT | - | 1 | 7782-49-2 | SELENIUM | |
| NT | 1.49 | NT | NT | + | - | 1 | 5456-28-0 | SELENIUM DIETHYLDITHIOCARBAMATE | |
| NT | - | NT | NT | - | - | 1 | 144-34-3 | SELENIUM DIMETHYLDITHIOCARBAMATE | |
| 6.14 ^a | 46.8 | + | + | - | + | 1 | 7446-34-6 | SELENIUM SULFIDE | |
| 1.7 ^d | NT | + | NT | NT | NT | 1 | 2318-18-5 | SEVINKIRKINE | |
| | | | | | | | | SEVIN (see CARBARYL) | |
| NT | - | NT | NT | - | - | 1 | 122-34-9 | SIMAZINE | |
| | | | | | | | | SODIUM ARSENITE (see ARSENITE, SODIUM) | |
| | | | | | | | | SODIUM AZIDE (see AZIDE, SODIUM) | |
| | | | | | | | | SODIUM BENZOATE (see BENZOATE, SODIUM) | |
| NT | - | NT | NT | - | - | 1 | 6385-58-6 | SODIUM BITHIONOLATE | |
| - | - | - | NT | - | - | 4 | 7647-14-5 | SODIUM CHLORIDE | |
| - | - | - | - | - | - | 4 | 7758-19-2 | SODIUM CHLORITE | |
| | | | | | | | | SODIUM CYCLAMATE (see CYCLAMATE, SODIUM) | |
| - | - | - | - | - | - | 1 | 148-18-5 | SODIUM DIETHYLDITHIOCARBAMATE TRIHYDRATE | |
| - | - | - | - | - | - | 4 | 7681-52-9 | SODIUM FLUORIDE (see FLUORIDE, SODIUM) | |
| | | | | | | | | SODIUM HYPOCHLORITE | |
| | | | | | | | | SODIUM NIOBATE (see NIOBATE, SODIUM) | |
| | | | | | | | | SODIUM NITRATE (see NITRATE, SODIUM) | |
| | | | | | | | | SODIUM NITRITE (see NITRITE, SODIUM) | |
| | | | | | | | | SODIUM SULFATE (see SULFATE, SODIUM) | |
| | | | | | | | | SODIUM TETRAFLUOROBORATE (see TETRAFLUOROBORATE, SODIUM) | |
| | | | | | | | | SODIUM TUNGSTATE (see TUNGSTATE, SODIUM) | |
| - | - | - | - | - | - | 1 | 110-44-1 | SORBIC ACID | |
| - | - | - | - | - | - | 3 | 959-24-0 | SOTALOL.HCI | |
| - | NT | - | - | NT | NT | 1 | 8002-43-5 | SOYBEAN LECITHIN | |
| | | | | | | | | SQ 18506 (see trans-5-AMINO-3[2-(5-NITRO-2-FURYL) VINYL-1,2,4-OXADIAZOLE]) | |
| | | | | | | | | STANNOUS CHLORIDE (see TIN (II) CHLORIDE) | |
| - | NT | - | - | NT | NT | 1 | 9045-28-7 | STARCH ACETATE | |
| 0.0825 ^{af} | 0.689 ^a | + | B+ | NT | + | 1,2 | 10048-13-2 | STERIGMATOCYSTIN | |
| | | | | | | | | STRAWBERRY ALDEHYDE (see ETHYL METHYLPHENYLGLYCIDATE) | |
| 0.776 ^{ad} | 0.193 ^{ad} | + | + | + | + | 1 | 18883-66-4 | STREPTOZOTOCIN | |
| NT | 0.644 ^a | NT | NT | + | - | 1 | 8001-50-1 | STROBANE | |
| 23.3 | - | - | + | A | - | 1,5 | 100-42-5 | STYRENE | |
| - | - | - | - | - | - | 1 | mixture | STYRENE AND beta-NITROSTYRENE MIXTURE | |
| 30.7 ^a | 90 ^a | + | + | + | + | 3-5 | 96-09-3 | STYRENE OXIDE | |
| | | | | | | | | SUCCINIC ACID 2,2-DIMETHYLHYDRAZIDE (see DAMINOZIDE) | |
| NT | - | NT | NT | NT | - | 1 | 57-50-1 | SUCROSE | |
| | | | | | | | | SULFADS (see DIPENTAMETHYLENETHIURAM HEXASULFIDE) | |
| 17.2 ^a | 27.3 ^a | + | + | + | + | 1 | 95-06-7 | SULFALLATE | |
| NT | - | NT | NT | NT | - | 1 | 7757-82-6 | SULFATE, SODIUM | |
| - | - | - | - | - | - | 1 | 127-69-5 | SULFISOXAZOLE | |
| NT | - | NT | NT | - | - | 1 | 4429-42-9 | SULFITE, POTASSIUM METABI- | |
| - | - | - | - | - | - | 1 | 77-79-2 | 3-SULFOLENE | |
| 55.6 ^b | NT | NT | + | NT | NT | 1 | 77-46-3 | 4,4-SULFONYLBISACETANILIDE | |
| | | | | | | | | SULPYRIN (see DIPYRONE) | |
| | | | | | | | | SUNSET YELLOW FCF (see FD & C YELLOW NO. 6) | |
| 1.91 ^d | NT | + | NT | NT | NT | 1 | 22571-95-5 | SYMPHYTINE | |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|----------------------|------------|----|----|----|--------|------------|---|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| - | NT | - | - | NT | NT | 1 | 569-57-3 | 2,4,5-T (see 2,4,5-TRICHLOROPHENOXYACETIC ACID) |
| - | - | - | - | - | - | 2 | 39300-88-4 | TACE TARA GUM TARTRAZINE (see FD & C YELLOW NO. 5) TBP (see 2,2-THIOBIS(4,6-DICHLOROPHENOL)) TCDD (see 2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN) TCE (see TRICHLOROETHYLENE) TCE (see TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN)) TDE (see p,p'-DDD) |
| NT | - | NT | NT | - | - | 1 | 297-78-9 | TELODRIN |
| 33.2 ^a | 36.3 | + | P | I | + | 3 | 542-75-6 | TELONE II TELVAR (see 3-(p-CHLOROPHENYL)-1,1-DIMETHYLUREA) TEMIK (see ALDICARB) |
| 410 | NT | NT | + | NT | NT | 3 | 23031-25-6 | TERBUTALINE 2,3,4,6-TETRA-O-ACETYL-1-THIO-1-beta-D-GLUCOPYRANOSATO-S) (TRIETHYLPHOSPHINE) GOLD (see AURANOFIN) |
| 395 | 288 | + | NT | + | - | 1 | 7411-49-6 | 3,3',4,4'-TETRAAMINOBIPIHENYL.4HCI |
| - | - | - | - | - | - | 1 | 2438-88-2 | TETRACHLORO-p-BENZOQUINONE (see CHLORANIL) |
| - | - | - | - | NT | - | 1 | 15721-02-5 | 2,3,5,6-TETRACHLORO-4-NITROANISOLE |
| 6.67E-6 ^{af} | 8.68E-5 ^a | + | + | + | + | 1 | 1746-01-6 | 2,2',5,5'-TETRACHLOROBENZIDINE |
| NT | - | NT | NT | - | - | 1 | 116-29-0 | 2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN |
| - | 175 ^a | - | - | + | + | 3 | 630-20-6 | 2,4,5,4'-TETRACHLORODIPHENYL SULFONE |
| - | 35.4 ^a | - | - | + | + | 1 | 79-34-5 | 1,1,1,2-TETRACHLOROETHANE |
| 90.8 ^a | 75.6 ^a | + | P | + | + | 1,3 | 127-18-4 | 1,1,2,2-TETRACHLOROETHANE |
| - | 228 | - | A | + | A | 1,4 | 961-11-5 | TETRACHLOROETHYLENE |
| - | - | - | - | - | - | 5 | 64-75-5 | TETRACHLORVINPHOS |
| - | - | - | - | - | - | 1 | 97-77-8 | TETRACYCLINE.HCI |
| - | - | - | - | - | - | 1 | 97-77-8 | TETRAETHYLTHIURAM DISULFIDE |
| - | 86.3 | - | NT | + | - | 1 | 63886-77-1 | TETRAFIDON (see 2,4,5,4'-TETRACHLORODIPHENYL SULFONE) |
| NT | NT | NT | NT | NT | NT | 2 | 13755-29-8 | TETRAFLUORO-m-PHENYLENEDIAMINE.2HCI |
| 24.3 | NT | B+ | B+ | NT | NT | 1 | 40548-68-3 | TETRAFLUOROBORATE, SODIUM ^h |
| - | NT | - | NT | NT | NT | 5 | 18771-50-1 | TETRAHYDRO-2-NITROSO-2H-1,2-OXAZINE |
| - | - | - | - | - | - | 4 | 124-64-1 | 3,4,5,6-TETRAHYDROURIDINE |
| - | - | - | - | - | - | 4 | 55566-30-8 | TETRAKIS(HYDROXYMETHYL)PHOSPHONIUM CHLORIDE |
| - | - | - | - | - | - | 4 | 55566-30-8 | TETRAKIS(HYDROXYMETHYL)PHOSPHONIUM SULFATE |
| - | - | - | - | - | - | 1,3 | 137-26-8 | 2,2,9,9-TETRAMETHYL-1,10-DECANEDIOL (see GEMCADIOL) |
| - | - | - | - | - | - | 1,3 | 137-26-8 | TETRAMETHYLTHIURAM DISULFIDE |
| NT | - | NT | NT | - | - | 1 | 97-74-5 | TETRAMETHYLTHIURAM DISULFIDE AND FERRIC NITROSODIMETHYLDITHIOCARBAMATE (see VANGUARD GF) |
| - | - | NT | NT | - | - | 1 | 97-74-5 | TETRAMETHYLTHIURAM MONOSULFIDE |
| - | NT | - | - | NT | NT | 4 | 91-79-2 | TETRASUL (see p-CHLOROPHENYL-2,4,5-TRICHLOROPHENYL SULFIDE) |
| - | NT | - | - | NT | NT | 4 | 148-79-8 | beta-TGdR (see beta-THIOGUANINE DEOXYRIBOSIDE) |
| - | - | - | - | NT | NT | 4 | 91-79-2 | THENYLDIAMINE |
| - | - | - | - | NT | NT | 4 | 148-79-8 | THIABENDAZOLE |
| 0.122 ^{ad} | 0.21 ^{ad} | + | + | + | + | 1 | 52-24-4 | 2-(4-THIAZOLYL)-BENZIMAZOLE (see THIABENDAZOLE) |
| 11.5 | 5.36 ^a | + | NT | + | + | 1,5 | 62-55-5 | THIO-TEPA |
| NT | - | NT | NT | - | - | 1 | 97-18-7 | THIOACETAMIDE |
| 5.52 ^a | 32.7 ^a | + | + | + | + | 1 | 139-65-1 | 2,2-THIOBIS(4,6-DICHLOROPHENOL) |
| 2.1 ^d | NT | A | + | I | I | 1 | 64039-27-6 | THIOCARBAMYLHYDRAZINE (see THIOSEMICARBAZIDE) THIODAN (see ENDOSULFAN) |
| - | - | - | - | - | - | 1 | 64039-27-6 | 4,4'-THIODIANILINE beta-THIOGUANINE DEOXYRIBOSIDE |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| - | - | NT | - | - | - | 1,3 | 79-19-6 | THIOSEMICARBAZIDE |
| NT | 48.6 ^a | NT | NT | + | + | 1 | 141-90-2 | THIOURACIL |
| 93.5 ^a | - | + | - | NT | - | 1 | 62-56-6 | THIOUREA |
| | | | | | | | | THIRAM (see TETRAMETHYLTHIURAM DISULFIDE) |
| | | | | | | | | THPC (see TETRAKIS(HYDROXYMETHYL) PHOSPHONIUM CHLORIDE) |
| | | | | | | | | THPS (see TETRAKIS(HYDROXYMETHYL) PHOSPHONIUM SULFATE) |
| | | | | | | | | TIBRIC ACID (see 2-CHLORO-5-(3,5-DIMETHYLPIPERIDINOSULPHONYL)BENZOIC ACID) |
| - | - | - | - | - | - | 4 | 55567-81-2 | TILIDINE FUMARATE |
| | | | | | | | | TILLAM-6-E (see PROPYL N-ETHYL-N-BUTYLTHIOCARBAMATE) |
| - | - | - | - | - | - | 1,2 | 7772-99-8 | TIN (II) CHLORIDE |
| - | - | - | - | - | - | 1 | 13463-67-7 | TITANIUM DIOXIDE |
| NT | - | NT | NT | - | - | 1 | 14481-26-6 | TITANIUM OXALATE, POTASSIUM |
| | | | | | | | | TMTD (see TETRAMETHYLTHIURAM DISULFIDE) |
| - | NT | - | NT | NT | NT | 5 | 10191-41-0 | DL-alpha-TOCOPHEROL |
| - | NT | - | - | NT | NT | 3 | 58-95-7 | DL-alpha-TOCOPHERYL ACETATE |
| - | - | - | - | - | - | 1 | 1156-19-0 | TOLAZAMIDE |
| - | - | - | - | - | - | 1 | 64-77-7 | TOLBUTAMIDE |
| 578 ^a | NT | + | + | NT | NT | 3,4 | 108-88-3 | TOLUENE |
| 25.4 ^a | 181 | + | + | - | + | 4 | 26471-62-5 | TOLUENE DIISOCYANATE, COMMERCIAL GRADE (2,4 (80%)- AND 2,6 (20%)-) |
| | | | | | | | | 2,4-TOLUENEDIAMINE.2HCl (see 2,4-DIAMINOTOLUENE.2HCl) |
| | | | | | | | | 2,6-TOLUENEDIAMINE.2HCl (see 2,6-DIAMINOTOLUENE.2HCl) |
| | | | | | | | | 2,5-TOLUENEDIAMINE SULFATE (see 2,5-DIAMINOTOLUENE SULFATE) |
| 3960 | NT | B+ | B+ | NT | NT | 1 | 88-19-7 | o-TOLUENESULFONAMIDE |
| - | 1440 ^b | - | NT | + | - | 1 | 638-03-9 | m-TOLUIDINE.HCl |
| 23.3 ^a | 646 ^a | + | + | + | + | 1,2 | 636-21-5 | o-TOLUIDINE.HCl |
| - | 49.1 ^a | - | NT | + | + | 1 | 540-23-8 | p-TOLUIDINE.HCl |
| - | 206 | - | - | + | + | 1 | 622-51-5 | p-TOLYLUREA |
| - | 4.08 ^a | A | A | + | + | 1 | 8001-35-2 | TOXAPHENE |
| 0.00504 ^d | NT | + | NT | NT | NT | 1 | 68-76-8 | TRENIMON |
| 469 ^a | - | P | + | - | - | 5 | 75-25-2 | TRIBROMOMETHANE |
| NT | - | NT | NT | - | - | 1 | 6379-46-0 | 1,2,3-TRICHLORO-4,6-DINITROBENZENE |
| - | NT | - | - | NT | NT | 5 | 76-13-1 | 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, TECHNICAL GRADE |
| - | 259 | - | NT | + | - | 1 | 634-93-5 | 2,4,6-TRICHLOROANILINE |
| - | 47.6 ^a | - | - | + | + | 1 | 79-00-5 | 1,1,2-TRICHLOROETHANE |
| - | - | I | I | I | I | 1,5 | 71-55-6 | 1,1,1-TRICHLOROETHANE, TECHNICAL GRADE |
| 557 ^a | 421 ^{af} | + | - | + | + | 1,3,4 | 79-01-6 | TRICHLOROETHYLENE ^b |
| - | 294 ^a | I | I | + | + | 5 | 79-01-6 | TRICHLOROETHYLENE (WITHOUT EPICHLOROHYDRIN) |
| - | - | I | I | - | - | 1,5 | 75-69-4 | TRICHLOROFLUOROMETHANE |
| NT | - | NT | NT | - | - | 1 | 133-07-3 | N-(TRICHLOROMETHYLTHIO)PHTHALIMIDE |
| 405 | 856 ^a | + | - | + | + | 1 | 88-06-2 | 2,4,6-TRICHLOROPHENOL |
| NT | - | NT | NT | - | - | 1 | 93-72-1 | 2-(2,4,5-TRICHLOROPHENOXY)PROPIONIC ACID |
| - | - | - | - | - | - | 1 | 93-76-5 | 2,4,5-TRICHLOROPHENOXYACETIC ACID |
| - | 100 ^a | - | - | + | + | 1,4 | 102-71-6 | TRIETHANOLAMINE |
| - | NT | - | NT | NT | NT | 1 | 112-27-6 | TRIETHYLENE GLYCOL |
| 6.79 | 9.98 | NT | + | NT | + | 1 | 42011-48-3 | 2,2,2-TRIFLUORO-N-[4-(5-NITRO-2-FURYL)-2-THIAZOLYL]ACETAMIDE |
| - | 330 | - | - | - | + | 1 | 1582-09-8 | TRIFLURALIN, TECHNICAL GRADE |
| 20.4 ^a | 6.13 | + | + | - | + | 1 | 137-17-7 | TRIIODOMETHANE (see IODOFORM) |
| 98.5 ^b | 40 ^a | + | NT | + | + | 1 | 21436-97-5 | 2,4,5-TRIMETHYLANILINE |
| 5.17 | 19.3 ^a | + | NT | + | + | 1 | 6334-11-8 | 2,4,5-TRIMETHYLANILINE.HCl |
| - | 335 | A | - | - | + | 1 | 512-56-1 | 2,4,6-TRIMETHYLANILINE.HCl |
| 25.8 | - | - | + | - | - | 1 | 2489-77-2 | TRIMETHYLPHOSPHATE |
| | | | | | | | | TRIMETHYLTHIOUREA |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|-------------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| NT | - | NT | NT | - | - | 1 | 900-95-8 | TRIPHENYLTIN ACETATE |
| - | - | - | - | - | - | 1 | 76-87-9 | TRIPHENYLTIN HYDROXIDE |
| NT | 3.44 ^d | NT | NT | NT | + | 1 | 38571-73-2 | TRIS (see TRIS(2,3-DIBROMOPROPYL)PHOSPHATE) |
| 1.57 ^a | 80.1 ^a | + | + | + | + | 1,3 | 126-72-7 | TRIS-1,2,3-(CHLOROMETHOXY)PROPANE |
| - | 2560 | E | - | - | P | 3 | 78-42-2 | TRIS(2,3-DIBROMOPROPYL)PHOSPHATE |
| | | | | | | | | TRIS(2-ETHYLHEXYL)PHOSPHATE |
| | | | | | | | | TRISODIUM ETHYLENEDIAMINETETRAACETATE TRIHYDRATE (see EDTA, TRISODIUM SALT TRIHYDRATE) |
| | | | | | | | | TRP-P-1 ACETATE (see 3-AMINO-1,4-DIMETHYL-5H-PYRIDO[4,3-b]INDOLE ACETATE) |
| | | | | | | | | TRP-P-2 ACETATE (see 3-AMINO-1-METHYL-5H-PYRIDO[4,3-b]INDOLE ACETATE) |
| - | NT | - | NT | NT | NT | 3 | 54-12-6 | DL-TRYPTOPHAN |
| - | - | - | - | - | - | 1-3 | 73-22-3 | L-TRYPTOPHAN |
| | | | | | | | | TUBATOXIN (see ROTENONE) |
| - | NT | - | - | NT | NT | 1 | 13472-45-2 | TUNGSTATE, SODIUM |
| | | | | | | | | TYLENOL (see ACETAMINOPHEN) |
| | | | | | | | | UDMH (see 1,1-DIMETHYLHYDRAZINE) |
| | | | | | | | | UNADS (see TETRAMETHYLTHIURAM MONOSULFIDE) |
| - | - | - | - | - | - | 1 | 57-13-6 | UREA |
| 41.3 | 12.5 ^a | B+ | B+ | + | + | 1 | 51-79-6 | URETHANE ^b |
| | | | | | | | | VALORON (see TILIDINE FUMARATE) |
| NT | - | NT | NT | - | - | 1 | 27774-13-6 | VANADYL SULFATE |
| | | | | | | | | VANCIDE BL (see 2,2-THIOBIS(4,6-DICHLOROPHENOL)) |
| | | | | | | | | VANCIDE BN (see SODIUM BITHIONOLATE) |
| | | | | | | | | VANCIDE PB (see 1,2,3-TRICHLORO-4,6-DINITROBENZENE) |
| NT | - | NT | NT | - | - | 1 | mixture | VANGUARD GF |
| | | | | | | | | VANGUARD N (see NICKEL DIBUTYLDITHIOCARBAMATE) |
| | | | | | | | | VAPONA (see DICHLORVOS) |
| - | NT | - | NT | NT | NT | 1 | 865-21-4 | VINBLASTINE |
| 132 ^a | NT | + | + | NT | NT | 3 | 108-05-4 | VINYL ACETATE |
| 17.9 ^a | NT | + | + | NT | NT | 1 | 593-60-2 | VINYL BROMIDE |
| 3.69 ^{af} | 10.6 ^a | + | + | + | + | 1-5 | 75-01-4 | VINYL CHLORIDE ^b |
| NT | 94.4 | I | I | I | + | 4 | 100-40-3 | 4-VINYLCYCLOHEXENE |
| - | 22 ^a | - | - | + | + | 1-4 | 75-35-4 | VINYLDIENE CHLORIDE |
| 418 ^a | - | - | + | - | - | 1,3 | 1694-09-3 | FD & C VIOLET NO. 1 |
| | | | | | | | | VITAMIN A ACID (see RETINOIC ACID) |
| | | | | | | | | VITAMIN A, ACETATE (see RETINOL ACETATE) |
| | | | | | | | | VITAMIN A, PALMITATE (see RETINOL PALMITATE) |
| | | | | | | | | VITAMIN C (see L-ASCORBIC ACID) |
| | | | | | | | | VITAMIN C, SODIUM (see L-ASCORBATE, SODIUM) |
| | | | | | | | | VITAMIN D2 (see CALCIFEROL) |
| | | | | | | | | VITAMIN E (see DL-alpha-TOCOPHERYL) |
| | | | | | | | | VITAMIN E ACETATE (see DL-alpha-TOCOPHERYL ACETATE) |
| - | - | - | - | - | - | 4 | 1330-20-7 | XYLENE MIXTURE (60% m-XYLENE, 9% o-XYLENE, 14% p-XYLENE, 17% ETHYLBENZENE) |
| 524 ^a | NT | + | + | NT | NT | 4 | mixture | XYLENE MIXTURE (m-XYLENE, o-XYLENE, p-XYLENE) |
| - | 12.4 | - | NT | - | + | 1 | 21436-96-4 | 2,4-XYLIDINE.HCl |
| 152 | 552 ^a | + | NT | + | + | 1 | 51786-53-9 | 2,5-XYLIDINE.HCl |
| 380 | 1020 | + | - | - | + | 2 | 2832-40-8 | C.I. DISPERSE YELLOW 3 |
| - | - | - | - | - | - | 1 | 6358-85-6 | C.I. PIGMENT YELLOW 12 |
| - | - | B- | B- | B- | B- | 1 | 5979-28-2 | C.I. PIGMENT YELLOW 16 |
| - | - | B- | B- | B- | B- | 1 | 5567-15-7 | C.I. PIGMENT YELLOW 83 |
| | | | | | | | | C.I. SOLVENT YELLOW 14 (see 1-PHENYLAZO-2-NAPHTHOL) |
| - | 10900 | - | - | + | - | 1 | 128-66-5 | C.I. VAT YELLOW 4 |
| | | | | | | | | DIARYLANILIDE YELLOW (see C.I. PIGMENT |

| TD ₅₀ (mg/kg/day) | | Positivity | | | | Plot | CAS | Chemical Name |
|------------------------------|-----------------|------------|----|----|----|--------|------------|--|
| Rat | Mouse | MR | FR | MM | FM | Number | Number | |
| - | - | - | - | - | - | 1,5 | 1934-21-0 | YELLOW 12) FD & C YELLOW NO. 5 |
| - | - | - | - | - | - | 1,2 | 2783-94-0 | FD & C YELLOW NO. 6 |
| - | 22 ^a | - | - | + | + | 2 | 17924-92-4 | ZEARALENONE ZECTRAN (see MEXACARBATE) ZETAX (see 2-MERCAPTOBENZOTHAZOLE, ZINC) |
| NT | - | NT | NT | - | - | 1 | 136-23-2 | ZINC DIBUTYLDITHIOCARBAMATE |
| NT | - | NT | NT | - | - | 1 | 14324-55-1 | ZINC DIETHYLDITHIOCARBAMATE |
| 25.8 ^a | - | + | B+ | - | E | 1,3 | 137-30-4 | ZINC DIMETHYLDITHIOCARBAMATE |
| 255 | - | B+ | B+ | - | - | 1 | 12122-67-7 | ZINC ETHYLENEBISTHIOCARBAMATE ZINEB (see ZINC ETHYLENEBISTHIOCARBAMATE) ZIRAM (see ZINC DIMETHYLDITHIOCARBAMATE) |
| NT | - | NT | NT | B- | B- | 1 | 14644-61-2 | ZIRCONIUM (IV) SULFATE |