

## Supplemental Material

### **Respirometric Screening and Characterization of Mitochondrial Toxicants Within the ToxCast Phase I and II Chemical Libraries**

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## Supplemental File A: Methods and rationale

Apart from the cell types used, the screening protocol employed in this study differed markedly from the Wills *et al.* method. We directly injected test compounds onto cells during the screening assay rather than use a protracted pre-screen exposure. By measuring OCR before the addition of test chemicals, corrections for well-to-well variations in OCR resulting from cell seeding and plate edge effects were made possible, allowing us to assess mitochondrial function using change in normalized respiration instead of absolute OCR values. Pilot experiments conducted prior to screening revealed that longer pre-screen exposures only marginally increased effects on respiration and the number of active chemicals (data not shown). Additionally, we excluded the use of oligomycin as an injection reagent in the RSA protocol. The main purpose of oligomycin in typical respirometric mitochondrial testing is to determine coupling efficiency, i.e. the fraction of mitochondrial respiration leading to ATP synthesis. For HTT screening purposes, the absolute coupling efficiency of HepG2 cells is less important than relative coupling efficiency before and after test compound injection. Uncouplers decrease coupling efficiency by increasing proton leak and are readily identified with the tiered testing approach presented herein. Furthermore, putative ATP synthase inhibitors cannot be identified in the presence of oligomycin and omission of this injection step allowed the identification 29 such chemicals in this study.

**Table S1. Five QC metrics calculated using DMSO, fenpyroximate, and 2,4-dinitrophenol controls used to evaluate RSA performance.**

<u>Testing Tier</u>	<u>Plates Tested</u>	<u>Control</u>	<u>QC Metric</u>	<u>Acceptable Range</u>	<u>Observed Range</u>	<u>Median Value</u>	<u>Plates Accepted *</u>
Single-concentration (Tier 1)	51	DMSO	rCV	< 5%	0.29-3.51%	1.41%	51
		Fenpyroximate	AC <sub>50</sub>	0.32-3.16 µM	0.849-1.43 µM	1.07 µM	51
			rZ	> 0.5	0.68-0.97	0.88	51
		2,4-Dinitrophenol	AC <sub>50</sub>	2.37-23.7 µM	2.52-19.8 µM	10.1 µM	51
			rZ	> 0.5	-0.04-0.97	0.76	44
Multiple-concentration (Tier 2)	90	DMSO	rCV	< 5%	0.11-3.42%	1.50%	90
		Fenpyroximate	AC <sub>50</sub>	0.32-3.16 µM	0.813-2.11 µM	1.15 µM	90
			rZ	> 0.5	0.35-0.96	0.87	88
		2,4-Dinitrophenol	AC <sub>50</sub>	2.37-23.7 µM	7.58-21.2 µM	13.8 µM	90
			rZ	> 0.5	-0.12-0.99	0.80	87

\* All plates accepted on ≥ four of five QC metrics

**Table S2. The 1,042 ToxCast chemicals tested in this study with activity calls for each testing tier, proposed mechanism of mitochondrial toxicity for RSA-actives and the inhibited respiratory complex(es) for putative ETC inhibitors. Maximal test concentrations are in  $\mu\text{M}$  excepting those values exceeding 200, which are in  $\mu\text{g}/\mu\text{L}$ .**

Chemical	Tier 1 Screening		Tier 2 Screening				Tier 3 Screening		
	Test Conc. (final $\mu\text{M}^*$ )	Activity	Increased Inhibited Respiration (aeid = 2447)	Increased Basal Respiration (aeid = 2443)	Decreased Maximal Respiration (aeid = 2444)	Decreased Basal Respiration (aeid = 2442)	Proposed Mechanism	Electron Flow Assay Activity	Inhibited ETC Complex
2-(Thiocyanomethylthio)benzothiazole	100	active	inactive	inactive	active	active	ETCi	active	I
2,2-Bis(4-hydroxyphenyl)-1,1,1-trichloroethane	100	active	inactive	inactive	active	active	ETCi	active	I
2,4,7,9-Tetramethyl-5-decyne-4,7-diol	100	active	inactive	inactive	active	active	ETCi	active	I
2,5-Di-tert-butylbenzene-1,4-diol	100	active	inactive	inactive	active	active	ETCi	active	I
3,3',5,5'-Tetrabromobisphenol A	95.4	active	inactive	inactive	active	active	ETCi	active	I
4,4'-Sulfonylbis[2-(prop-2-en-1-yl)phenol]	100	active	inactive	inactive	active	active	ETCi	active	I
4-Cumylphenol	100	active	inactive	inactive	active	active	ETCi	active	I
4-Hexylresorcinol	100	active	inactive	inactive	active	active	ETCi	active	I
5HPP-33	100	active	inactive	inactive	active	active	ETCi	active	I
Acifluorfen	100	active	inactive	inactive	active	active	ETCi	active	I
Allethrin	100	active	inactive	inactive	active	active	ETCi	active	I
AVE5638	100	active	inactive	inactive	active	active	ETCi	active	I
Besonprodil	100	active	inactive	inactive	active	active	ETCi	active	I
Bisphenol AF	100	active	inactive	inactive	active	active	ETCi	active	I
Bisphenol B	100	active	inactive	inactive	active	active	ETCi	active	I
Butylparaben	100	active	inactive	inactive	active	active	ETCi	active	I
CJ-013610	100	active	inactive	inactive	active	active	ETCi	active	I
CJ-013790	50	active	inactive	inactive	active	active	ETCi	active	I
Clorophene	101	active	inactive	inactive	active	active	ETCi	active	I
Corticosterone	100	active	inactive	inactive	active	active	ETCi	active	I
CP-105696	50	active	inactive	inactive	active	active	ETCi	active	I
CP-457677	100	active	inactive	inactive	active	inactive	ETCi	active	I
CP-544439	100	active	inactive	inactive	active	active	ETCi	active	I
Cyclanilide	100	active	inactive	inactive	active	inactive	ETCi	active	I
Didecyldimethylammonium chloride	100	active	inactive	inactive	active	active	ETCi	active	I
Diethylstilbestrol	100	active	inactive	inactive	active	active	ETCi	active	I
Difenoconazole	100	active	inactive	inactive	active	active	ETCi	active	I
Dodecyltrimethylammonium chloride	100	active	inactive	inactive	active	active	ETCi	active	I
Elzasonan	100	active	inactive	inactive	active	inactive	ETCi	active	I
Ethofumesate	100	active	inactive	inactive	active	active	ETCi	active	I
Fenhexamid	100	active	inactive	inactive	active	active	ETCi	active	I
Fenpyroximate (Z,E)	100	active	inactive	inactive	active	active	ETCi	active	I
Flumioxazin	100	active	inactive	inactive	active	active	ETCi	active	I
Forchlorfenuron	99.9	active	inactive	inactive	active	active	ETCi	active	I
Hexaconazole	100	active	inactive	inactive	active	active	ETCi	active	I

Imazalil	100	active	inactive	inactive	active	active	ETCi	active	I
Isazofos	100	active	inactive	inactive	active	active	ETCi	active	I
Ketoconazole	100	active	inactive	inactive	active	active	ETCi	active	I
meso-Hexestrol	100	active	inactive	inactive	active	active	ETCi	active	I
MK-968	100	active	inactive	inactive	active	active	ETCi	active	I
Nilutamide	100	active	inactive	inactive	active	active	ETCi	active	I
Octyl gallate	100	active	inactive	inactive	active	active	ETCi	active	I
PD 0343701	100	active	inactive	inactive	active	active	ETCi	active	I
Phenolphthalein	100	active	inactive	inactive	active	active	ETCi	active	I
Prallethrin	99.8	active	inactive	inactive	active	active	ETCi	active	I
Propetamphos	100	active	inactive	inactive	active	active	ETCi	active	I
Pyridaben	100	active	inactive	inactive	active	active	ETCi	active	I
Rotenone	100	active	inactive	inactive	active	active	ETCi	active	I
SAR 150640	100	active	inactive	inactive	active	active	ETCi	active	I
S-Bioallethrin	100	active	inactive	inactive	active	active	ETCi	active	I
SR58611	91.7	active	inactive	inactive	active	active	ETCi	active	I
SSR150106	100	active	inactive	inactive	active	active	ETCi	active	I
Tebufenpyrad	99.8	active	inactive	inactive	active	active	ETCi	active	I
Tetraconazole	99.5	active	inactive	inactive	active	active	ETCi	active	I
Tetramethrin	100	active	inactive	inactive	active	active	ETCi	active	I
Triflumizole	100	active	inactive	inactive	active	active	ETCi	active	I
Triphenyltin hydroxide	100	active	inactive	inactive	active	inactive	ETCi	active	I
Troglitazone	100	active	inactive	inactive	active	active	ETCi	active	I
Zoxamide	100	active	inactive	inactive	active	inactive	ETCi	active	I
Carboxin	100	active	inactive	inactive	active	inactive	ETCi	active	II
Chlorpyrifos oxon	99.6	active	inactive	inactive	active	active	ETCi	active	II
Chlorpyrifos-methyl	100	active	inactive	inactive	active	inactive	ETCi	active	II
MK-274	100	active	inactive	inactive	active	active	ETCi	active	II
PharmaGSID_48514	100	active	inactive	inactive	active	active	ETCi	active	II
3-Iodo-2-propynyl-N-butylcarbamate	100	active	inactive	inactive	active	active	ETCi	active	III
Azoxystrobin	100	active	inactive	inactive	active	active	ETCi	active	III
CP-085958	50	active	inactive	inactive	active	inactive	ETCi	active	III
Docusate sodium	100	active	inactive	inactive	active	inactive	ETCi	active	III
Fenamidon	100	active	inactive	inactive	active	active	ETCi	active	III
Fluoxastrobin	100	active	inactive	inactive	active	active	ETCi	active	III
FR150011	100	active	inactive	inactive	active	active	ETCi	active	III
Mercuric chloride	100	active	inactive	inactive	active	active	ETCi	active	III
Milbemectin (mixture of 70% Milbemcin A4, 30% Milbemycin A3)	97.7	active	inactive	inactive	active	active	ETCi	active	III
Octhilinone	104	active	inactive	inactive	active	inactive	ETCi	active	III
Phenylmercuric acetate	100	active	inactive	inactive	active	active	ETCi	active	III
Picoxystrobin	100	active	inactive	inactive	active	active	ETCi	active	III

Pyraclostrobin	100	active	inactive	inactive	active	active	ETCi	active	III
Tributyltin chloride	100	active	inactive	inactive	active	active	ETCi	active	III
Trifloxystrobin	100	active	inactive	inactive	active	active	ETCi	active	III
Dodecylbenzenesulfonic acid	100	active	inactive	inactive	active	inactive	ETCi	active	IV
Famoxadone	100	active	inactive	inactive	active	active	ETCi	active	Mixed I/III
Methylene bis(thiocyanate)	100	active	inactive	inactive	active	active	ETCi	active	Mixed I/III
Tiratricol	100	active	inactive	inactive	active	active	ETCi	active	Mixed I/III
Tributyltin methacrylate	100	active	inactive	inactive	active	active	ETCi	active	Mixed I/III
17alpha-Estradiol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
17alpha-Ethinylestradiol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
17beta-Estradiol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
1-Dodecyl-2-pyrrolidinone	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2,2',4,4'-Tetrahydroxybenzophenone	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2,4-Bis(1-methyl-1-phenylethyl)phenol	100	active	inactive	inactive	active	inactive	ETCi	inactive	nd
2,4-Di-tert-pentylphenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2-Amino-5-azotoluene	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2-tert-Butyl-4-ethylphenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2-tert-Butyl-4-methoxyphenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2-Tert-Butyl-5-methylphenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-(1,1,3,3-Tetramethylbutyl)phenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-(2-Methylbutan-2-yl)phenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-Androstene-3,17-dione	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-Cyclohexylcyclohexanol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-Cyclohexylcyclohexanone	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-Heptylphenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-Nonylphenol, branched	100	active	inactive	inactive	active	active	ETCi	inactive	nd
4-Octylphenol	100	active	inactive	inactive	active	active	ETCi	inactive	nd
7,12-Dimethylbenz(a)anthracene	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Abamectin	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Alachlor	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Bisphenol A	100.5	active	inactive	inactive	active	active	ETCi	inactive	nd
Captan	98.7	active	inactive	inactive	active	active	ETCi	inactive	nd
Clomiphene citrate (1:1)	100	active	inactive	inactive	active	inactive	ETCi	inactive	nd
CP-401387	50	active	inactive	inactive	active	active	ETCi	inactive	nd
CP-863187	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Cyproconazole	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Cyproterone acetate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Diallyl phthalate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Difenzoquat metilsulfate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Diisobutyl phthalate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Diniconazole	100	active	inactive	inactive	active	active	ETCi	inactive	nd

Emamectin benzoate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Ethoprop	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Fenamiphos	100	active	inactive	inactive	active	inactive	ETCi	inactive	nd
Fenofibrate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Fenoxycarb	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Flusilazole	100	active	inactive	inactive	active	active	ETCi	inactive	nd
HMR1426	100	active	inactive	inactive	active	inactive	ETCi	inactive	nd
Hydroxyflutamide	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Kepone	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Linuron	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Metolachlor	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Octylbicycloheptenedicarboximide	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Oryzalin	100	active	inactive	inactive	active	active	ETCi	inactive	nd
PD-0333941	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Pendimethalin	100	active	inactive	inactive	active	active	ETCi	inactive	nd
PharmaGSID_48172	79.4	active	inactive	inactive	active	active	ETCi	inactive	nd
PharmaGSID_48519	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Phorate	100	active	inactive	inactive	active	inactive	ETCi	inactive	nd
Prochloraz	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Progesterone	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Propanil	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Propargite	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Propiconazole	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Sodium azide	100	active	inactive	inactive	active	inactive	ETCi	inactive	nd
SR125047	90.7	active	inactive	inactive	active	inactive	ETCi	inactive	nd
SSR126768	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Tamoxifen citrate	91.5	active	inactive	inactive	active	inactive	ETCi	inactive	nd
Tebuconazole	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Tebupirimfos	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Triadimefon	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Tributyl phosphate	100	active	inactive	inactive	active	active	ETCi	inactive	nd
Ziram	100	active	inactive	inactive	active	active	ETCi	inactive	nd
2,4,5-Trichlorophenol	100	active	inactive	active	active	active	Uncoupler		
2,4,6-Trichlorophenol	100	active	inactive	active	inactive	inactive	Uncoupler		
2,4-Dinitrophenol	100	active	inactive	active	inactive	inactive	Uncoupler		
2-Methyl-4,6-dinitrophenol	100	active	inactive	active	active	inactive	Uncoupler		
4-Nitrophenol	100	active	inactive	active	inactive	inactive	Uncoupler		
Bromoxynil	80	active	inactive	active	active	inactive	Uncoupler		
CP-100829	50	active	inactive	active	active	active	Uncoupler		
Cyazofamid	100	active	inactive	active	active	inactive	Uncoupler		
Dinoseb	100	active	inactive	active	active	active	Uncoupler		

Fluazinam	100	active	inactive	active	inactive	inactive	Uncoupler		
Niclosamide	50	active	inactive	active	active	active	Uncoupler		
Pentachlorophenol	51.1	active	inactive	active	active	active	Uncoupler		
Perfluorooctanesulfonamide	100	active	inactive	active	inactive	inactive	Uncoupler		
Sodium 4-nitrophenolate	100	active	inactive	active	inactive	inactive	Uncoupler		
Triclosan	100	active	inactive	active	active	inactive	Uncoupler		
10-Undecenoic acid	100	active	inactive	inactive	inactive	active	ATP Synthase		
1-Undecanol	100	active	inactive	inactive	inactive	active	ATP Synthase		
2,4-Dichlorophenoxybutyric acid	102	active	inactive	inactive	inactive	active	ATP Synthase		
3,5,3'-Triiodothyronine	25	active	inactive	inactive	inactive	active	ATP Synthase		
4-(Butan-2-yl)phenol	100	active	inactive	inactive	inactive	active	ATP Synthase		
4,4',4''-Ethane-1,1,1-triyltriphenol	100	active	inactive	inactive	inactive	active	ATP Synthase		
4-tert-Butylphenol	100	active	inactive	inactive	inactive	active	ATP Synthase		
5-Heptyldihydro-2(3H)-furanone	100	active	inactive	inactive	inactive	active	ATP Synthase		
Allura Red C.I.16035	100	active	inactive	inactive	inactive	active	ATP Synthase		
Butam	100	active	inactive	inactive	inactive	active	ATP Synthase		
Chlorothalonil	100	active	inactive	inactive	inactive	active	ATP Synthase		
Cycloate	100	active	inactive	inactive	inactive	active	ATP Synthase		
Decanoic acid	104	active	inactive	inactive	inactive	active	ATP Synthase		
Dimethenamid	100	active	inactive	inactive	inactive	active	ATP Synthase		
Fabesetron hydrochloride	88.9	active	inactive	inactive	inactive	active	ATP Synthase		
Fluazifop-P-butyl	100	active	inactive	inactive	inactive	active	ATP Synthase		
Fludioxonil	100	active	inactive	inactive	inactive	active	ATP Synthase		
Geraniol	100	active	inactive	inactive	inactive	active	ATP Synthase		
Indomethacin	100	active	inactive	inactive	inactive	active	ATP Synthase		
MEHP	102	active	inactive	inactive	inactive	active	ATP Synthase		
Metalaxyl	100	active	inactive	inactive	inactive	active	ATP Synthase		
MK-578	100	active	inactive	inactive	inactive	active	ATP Synthase		
Naled	100	active	inactive	inactive	inactive	active	ATP Synthase		
PharmaGSID_47337	100	active	inactive	inactive	inactive	active	ATP Synthase		
PharmaGSID_48510	100	active	inactive	inactive	inactive	active	ATP Synthase		
Propylparaben	100	active	inactive	inactive	inactive	active	ATP Synthase		
Testosterone propionate	100	active	inactive	inactive	inactive	active	ATP Synthase		
UK-156819	100	active	inactive	inactive	inactive	active	ATP Synthase		
UK-373911	100	active	inactive	inactive	inactive	active	ATP Synthase		
Gentian Violet	100	active	inactive	inactive	active	active	Interference		
1,2-Dinitrobenzene	100	active	active	active	inactive	inactive	Redox		
1,3-Benzenediamine	100	active	active	inactive	inactive	inactive	Redox		
1,5-Naphthalenediamine	100	active	active	inactive	inactive	inactive	Redox		
5-Amino-2-methylphenol	100	active	active	active	inactive	inactive	Redox		
9-Phenanthrol	100	active	active	active	inactive	inactive	Redox		



Carminic acid	100	active	active	inactive	active	inactive	Redox		
Napropamide	100	active	active	inactive	active	active	Redox		
Nitrofurantoin	100	active	active	inactive	active	inactive	Redox		
Nitrofurazone	100	active	active	active	inactive	inactive	Redox		
PharmaGSID_48513	81.6	active	active	inactive	active	active	Redox		
17beta-Trenbolone	100	active	inactive	inactive	inactive	inactive	Inactive		
17-Methyltestosterone	100	active	inactive	inactive	inactive	inactive	Inactive		
2-(Phenylmethylene)octanal	100	active	inactive	inactive	inactive	inactive	Inactive		
2,4-Diaminotoluene	100	active	inactive	inactive	inactive	inactive	Inactive		
2-Phenylphenol	100	active	inactive	inactive	inactive	inactive	Inactive		
3,3'-Dimethoxybenzidine dihydrochloride	100	active	inactive	inactive	inactive	inactive	Inactive		
3,7-Dimethyl-2,6-octadienal	100	active	inactive	inactive	inactive	inactive	Inactive		
4-Aminoazobenzene	100	active	inactive	inactive	inactive	inactive	Inactive		
5alpha-Dihydrotestosterone	100	active	inactive	inactive	inactive	inactive	Inactive		
Acetochlor	100	active	inactive	inactive	inactive	inactive	Inactive		
Ametryn	100	active	inactive	inactive	inactive	inactive	Inactive		
Amitraz	100	active	inactive	inactive	inactive	inactive	Inactive		
Bensulide	100	active	inactive	inactive	inactive	inactive	Inactive		
Buprofezin	100	active	inactive	inactive	inactive	inactive	Inactive		
CI-1029	100	active	inactive	inactive	inactive	inactive	Inactive		
CI-959	100	active	inactive	inactive	inactive	inactive	Inactive		
CP-457920	100	active	inactive	inactive	inactive	inactive	Inactive		
Cyhalofop-butyl	99.6	active	inactive	inactive	inactive	inactive	Inactive		
Disulfiram	100	active	inactive	inactive	inactive	inactive	Inactive		
Disulfoton	100	active	inactive	inactive	inactive	inactive	Inactive		
Fandosentan potassium salt	50	active	inactive	inactive	inactive	inactive	Inactive		
Fenbuconazole	100	active	inactive	inactive	inactive	inactive	Inactive		
Fipronil	100	active	inactive	inactive	inactive	inactive	Inactive		
Fluazifop-butyl	100	active	inactive	inactive	inactive	inactive	Inactive		
Molinate	100	active	inactive	inactive	inactive	inactive	Inactive		
Myclobutanil	100	active	inactive	inactive	inactive	inactive	Inactive		
Nelivaptan	100	active	inactive	inactive	inactive	inactive	Inactive		
Oxadiazon	100	active	inactive	inactive	inactive	inactive	Inactive		
Perfluorodecanoic acid	100	active	inactive	inactive	inactive	inactive	Inactive		
Perfluoroundecanoic acid	100	active	inactive	inactive	inactive	inactive	Inactive		
Pirimiphos-methyl	100	active	inactive	inactive	inactive	inactive	Inactive		
Pirinixic acid	100	active	inactive	inactive	inactive	inactive	Inactive		
Profenofos	49.8	active	inactive	inactive	inactive	inactive	Inactive		
Pyriproxyfen	100	active	inactive	inactive	inactive	inactive	Inactive		
Resmethrin	100	active	inactive	inactive	inactive	inactive	Inactive		
Ro 23-7637	100	active	inactive	inactive	inactive	inactive	Inactive		

SAR115740	100	active	inactive	inactive	inactive	inactive	Inactive		
Tetrac	10.8	active	inactive	inactive	inactive	inactive	Inactive		
Triclopyr	102	active	inactive	inactive	inactive	inactive	Inactive		
(2S,3S)-3-Methyl-2-(3-oxo-1,2-benzothiazol-2(3H)-yl)pentanoic acid	100	inactive							
(2Z)-3,7-Dimethylocta-2,6-dien-1-ol	100	inactive							
(E)-Anethole	100	inactive							
1-(Hydroxymethyl)-5,5-dimethylhydantoin	100	inactive							
1,2,3-Benzotriazole	100	inactive							
1,2,3-Trichlorobenzene	100	inactive							
1,2,3-Trichloropropane	100	inactive							
1,2,4,5-Tetrachlorobenzene	100	inactive							
1,2,4-Trichlorobenzene	100	inactive							
1,2,4-Trimethylbenzene	104	inactive							
1,2-Benzenedicarboxaldehyde	100	inactive							
1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich	100	inactive							
1,2-Benzisothiazolin-3-one	100	inactive							
1,2-Dichlorobenzene	100	inactive							
1,2-Dimethyl-3-nitrobenzene	100	inactive							
1,2-Dimethyl-4-nitrobenzene	100	inactive							
1,2-Diphenylhydrazine	100	inactive							
1,2-Phenylenediamine	100	inactive							
1,2-Propylene glycol	100	inactive							
1,3-Benzenedicarboxylic acid	100	inactive							
1,3-Butanediol	100	inactive							
1,3-Dibromo-5,5-dimethylhydantoin	100	inactive							
1,3-Dichloro-2-propanol	100	inactive							
1,3-Dichloro-5,5-dimethylhydantoin	100	inactive							
1,3-Dichloro-6,7,8,9,10,12-hexahydroazepino[2,1-b]quinazoline hydrochloride (1:1)	50	inactive							
1,3-Dichlorobenzene	100	inactive							
1,3-Diisopropylbenzene	100	inactive							
1,3-Dinitrobenzene	104	inactive							
1,3-Diphenylguanidine	100	inactive							
1,3-Propane sultone	100	inactive							
1,4-Dichlorobenzene	100	inactive							
1,5,9-Cyclododecatriene	100	inactive							
1-[3-(Triethoxysilyl)propyl]urea	100	inactive							
17alpha-Hydroxyprogesterone	100	inactive							
1-Benzylquinolinium chloride	100	inactive							
1-Chloro-4-nitrobenzene	100	inactive							
1-Decanol	100	inactive							
1-Dodecanol	100	inactive							

1H,1H,2H,2H-Perfluorooctyl iodide	25	inactive							
1H-1,2,4-Triazole	100	inactive							
1-Hexadecanol	50	inactive							
1-Hydroxypyrene	100	inactive							
1-Methoxy-2-propanol	100	inactive							
1-Methylnaphthalene	100	inactive							
1-Octanol	103	inactive							
1-Pentadecanol	100	inactive							
1-Tetradecanol	100	inactive							
1-Tetradecene	100	inactive							
1-Tridecanol	103	inactive							
2-(2-Butoxyethoxy)ethanol	100	inactive							
2-(2-Ethoxyethoxy)ethanol	100	inactive							
2-(Butan-2-yl)phenol	100	inactive							
2-(Hydroxymethyl)-2-nitro-1,3-propanediol	100	inactive							
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	100	inactive							
2,2'-[Ethane-1,2-diylbis(oxy)]diethanamine	100	inactive							
2,2-Dibromo-3-nitrilopropionamide	100	inactive							
2,3,6-Trimethylphenol	100	inactive							
2,3-Benzofuran	100	inactive							
2,3-Diaminotoluene	100	inactive							
2',3'-Dideoxyinosine	100	inactive							
2,3-Dinitrotoluene	71.6	inactive							
2,4,6-Trimethylphenol	100	inactive							
2,4-Dichlorophenol	100	inactive							
2,4-Dichlorophenoxyacetic acid	100	inactive							
2,4-Dimethylphenol	103	inactive							
2,4-Dinitrotoluene	100	inactive							
2,4-Di-tert-butylphenol	100	inactive							
2,5-Dimethyl-2,5-di-(tert-butylperoxy)hexane	100	inactive							
2,5-Dimethylphenol	103	inactive							
2,6,10-Trimethyl-2,6,10-triazaundecane	100	inactive							
2,6-Diethylaniline	100	inactive							
2,6-Dimethylaniline	103	inactive							
2,6-Dimethylphenol	100	inactive							
2,6-Dinitrotoluene	100	inactive							
2,6-Di-tert-butylphenol	100	inactive							
2-[2-(2-Ethoxyethoxy)ethoxy]ethanol	100	inactive							
2-Aminoanthraquinone	100	inactive							
2-Anisidine	101	inactive							
2-Butanone oxime	100	inactive							

2-Butoxyethanol	100	inactive							
2-Chloroacetophenone	100	inactive							
2-Chloroethanol	100	inactive							
2E,4E-Hexadienoic acid	100	inactive							
2-Ethoxyethanol	100	inactive							
2-Ethyl-1-hexanol	100	inactive							
2-Ethylhexanoic acid	100	inactive							
2-Hexyloxyethanol	100	inactive							
2-Mercaptobenzothiazole	100	inactive							
2-Methoxy-5-methylaniline	100	inactive							
2-Methoxy-5-nitroaniline	100	inactive							
2-Methoxyethanol	100	inactive							
2-Methyl-2,4-pentanediol	105	inactive							
2-Methyl-5-nitroaniline	100	inactive							
2-Methylaniline	100	inactive							
2-Naphthalenol	100	inactive							
2-Naphthylamine	100	inactive							
2-Norbornene-5,6-dicarboxylic anhydride	100	inactive							
2-Phenoxyethanol	100	inactive							
2-tert-Butylphenol	100	inactive							
3,3'-Dimethoxybenzidine	100	inactive							
3,3'-Dimethylbenzidine	100	inactive							
3,4-Diaminotoluene	100	inactive							
3,4-Dichloronitrobenzene	100	inactive							
3,4-Dimethylphenol	103	inactive							
3'-Azido-3'-deoxythymidine	100	inactive							
3-Bromo-1-propanol	100	inactive							
3-Hydroxyfluorene	100	inactive							
3-Methylaniline	100	inactive							
3-Methylbutyl acetate	100	inactive							
3-Nitrotoluene	100	inactive							
3-Phenoxybenzoic acid	100	inactive							
3-Pyridinecarbonitrile	100	inactive							
4-(2-Methylbutan-2-yl)cyclohexanol	100	inactive							
4,4'-Bipyridine	100	inactive							
4,4'-Diamino-3,3'-dimethyldiphenylmethane	100	inactive							
4,4'-Diaminobiphenyl methane	100	inactive							
4,4'-Methylenebis(N,N-dimethylaniline)	100	inactive							
4,4'-Oxydianiline	100	inactive							
4-Amino-1,2,4-triazole	100	inactive							
4-Aminobenzoic acid	100	inactive							

4-Aminofolic acid	100	inactive							
4-Butyrolactone	100	inactive							
4-Chloro-1,2-diaminobenzene	100	inactive							
4-Chloro-3-methylphenol	100	inactive							
4-Chloroaniline	102	inactive							
4-Chlorobenzotrichloride	100	inactive							
4-Ethyl-1-yn-3-ol	100	inactive							
4-Hydroxy-3-methoxybenzaldehyde	100	inactive							
4-Hydroxytamoxifen	30	inactive							
4-Methyl-2-pentanol	100	inactive							
4-Methylaniline	100	inactive							
4-Nitroaniline	100	inactive							
4-Nitrobenzoic acid	100	inactive							
4-Nitrotoluene	100	inactive							
4-Nonylphenol	100	inactive							
4-Pentylaniline	100	inactive							
4-Vinyl-1-cyclohexene dioxide	100	inactive							
5,5-Dimethylhydantoin	101	inactive							
5,5-Diphenylhydantoin	100	inactive							
5-Chloro-2-methyl-3(2H)-isothiazolone	100	inactive							
5-Fluorouracil	102	inactive							
6:2 Fluorotelomer alcohol	100	inactive							
6:2 Fluorotelomer methacrylate	100	inactive							
6-Methyl-2-thiouracil	100	inactive							
6-Methylquinoline	100	inactive							
6-Propyl-2-thiouracil	100	inactive							
6-Thioguanine	100	inactive							
8:2 Fluorotelomer alcohol	100	inactive							
8-Hydroxyquinoline	100	inactive							
Acenaphthene	100	inactive							
Acenaphthylene	100	inactive							
Acephate	100	inactive							
Acetamide	100	inactive							
Acetaminophen	100	inactive							
Acetamiprid	100	inactive							
Acetic acid	100	inactive							
Acetophenone	100	inactive							
Acetyl tributyl citrate	100	inactive							
Acetyltriethyl citrate	100	inactive							
Acibenzolar-S-methyl	100	inactive							
Acrylamide	100	inactive							

Adipic acid, polypropyleneglycol, laurate	5000	inactive							
Aldicarb	100	inactive							
Aldicarb oxime	100	inactive							
Aldrin	100	inactive							
all-trans-Retinoic acid	100	inactive							
alpha-Cyclodextrin	52.4	inactive							
alpha-Isomethylionone	100	inactive							
Amiodarone hydrochloride	100	inactive							
Ammonium carbamate	100	inactive							
Ammonium perfluorooctanoate	100	inactive							
Anilazine	100	inactive							
Anthracene	100	inactive							
Anthralin	100	inactive							
Aplaviroc hydrochloride	100	inactive							
Aspirin	100	inactive							
Asulam	100	inactive							
Atrazine	100	inactive							
AVE2865	50	inactive							
AVE3247	24	inactive							
AVE3295	86.4	inactive							
AVE6324	100	inactive							
AVE9423	100	inactive							
Azamethiphos	100	inactive							
Azathioprine	99.4	inactive							
Azinphos-methyl	100	inactive							
Azobenzene	100	inactive							
Bendiocarb	100	inactive							
Benfluralin	100	inactive							
Benodanil	100	inactive							
Benomyl	100	inactive							
Bentazone	100	inactive							
Benz(a)anthracene	100	inactive							
Benzal chloride	100	inactive							
Benzidine	100	inactive							
Benzo(b)fluoranthene	100	inactive							
Benzoic acid	103	inactive							
Benzophenone	100	inactive							
Benzotrichloride	100	inactive							
Benzyl alcohol	100	inactive							
Benzyl butyl phthalate	100	inactive							
Benzylloctyl adipate	100	inactive							

beta-Hexachlorocyclohexane	100	inactive							
Bifenazate	100	inactive							
Bifenthrin	100	inactive							
Biphenyl	100	inactive							
Bis(2-chloroethyl) ether	100	inactive							
Bis(2-ethylhexyl) decanedioate	100	inactive							
Bis(2-ethylhexyl) nonanedioate	100	inactive							
Bis(2-ethylhexyl) terephthalate	100	inactive							
Bis(2-ethylhexyl)hexanedioate	100	inactive							
Boric acid (H3BO3)	100	inactive							
Boscalid	100	inactive							
Bromacil	100	inactive							
Bronopol	100	inactive							
Busulfan	100	inactive							
Butachlor	100	inactive							
Butafenacil	100	inactive							
Butanoic acid	100	inactive							
Butralin	100	inactive							
Butyl benzoate	100	inactive							
Butylate	100	inactive							
Butylbenzene	100	inactive							
Butyryl trihexyl citrate	100	inactive							
C.I. Solvent Yellow 14	100	inactive							
C10-21 alkanesulfonic acids phenyl esters	50000	inactive							
Caffeine	100	inactive							
Caprolactam	100	inactive							
Captafol	100	inactive							
Carabersat	97.5	inactive							
Carbamazepine	100	inactive							
Carbaryl	100	inactive							
Carbendazim	100	inactive							
Carbofuran	100	inactive							
Carbosulfan	100	inactive							
Carfentrazone-ethyl	100	inactive							
Cariporide mesylate	74.7	inactive							
Catechol	100	inactive							
Celecoxib	100	inactive							
Chloramben	100	inactive							
Chlordane	100	inactive							
Chlorendic acid	100	inactive							
Chlorethoxyfos	100	inactive							

Chloridazon	100	inactive							
Chlorobenzilate	100	inactive							
Chloroneb	100	inactive							
Chlorpromazine hydrochloride	100	inactive							
Chlorpropham	100	inactive							
Chlorpyrifos	100	inactive							
Chlorthal-dimethyl	99.9	inactive							
CI-1018	100	inactive							
CI-1044	100	inactive							
Cinmethylin	100	inactive							
Citric acid	100	inactive							
Citronellol	100	inactive							
Cladribine	100	inactive							
Clodinafop-propargyl	100	inactive							
Clofentezine	100	inactive							
Clofibrate	100	inactive							
Clomazone	100	inactive							
Cloprop	100	inactive							
Clopyralid	100	inactive							
Clopyralid-olamine	100	inactive							
Clothianidin	100	inactive							
Clotrimazole	100	inactive							
Clove leaf oil	26100	inactive							
Colchicine	100	inactive							
Cotinine	100	inactive							
Coumaphos	100	inactive							
Coumarin	100	inactive							
CP-114271	100	inactive							
CP-122721	100	inactive							
CP-283097	50	inactive							
CP-409092	100	inactive							
CP-422935	100	inactive							
CP-456773	100	inactive							
CP-465394	50	inactive							
CP-471358	100	inactive							
CP-532623	100	inactive							
CP-607366	100	inactive							
CP-608039	92.8	inactive							
CP-612372	100	inactive							
CP-634384	100	inactive							
CP-642931	50	inactive							



CP-671305	100	inactive							
CP-728663	100	inactive							
Cumene hydroperoxide	100	inactive							
Cyanamide	99.9	inactive							
Cyanazine	100	inactive							
Cyanuric acid	99.4	inactive							
Cyclohexanol	100	inactive							
Cyclohexanone	100	inactive							
Cycloheximide	100	inactive							
Cyclohexylamine	100	inactive							
Cyclohexylphenylketone	100	inactive							
Cyclopamine	100	inactive							
Cyclophosphamide monohydrate	100	inactive							
Cyfluthrin	100	inactive							
Cymoxanil	100	inactive							
Cypermethrin	100	inactive							
Cyprodinil	100	inactive							
Cyromazine	100	inactive							
Cytarabine hydrochloride	100	inactive							
Daidzein	100	inactive							
Dalapon	100	inactive							
Daminozide	100	inactive							
Dapsone	100	inactive							
Darbufelone mesylate	50	inactive							
Dazomet	100	inactive							
DEET	100	inactive							
Deisopropylatrazine	100	inactive							
Dexamethasone sodium phosphate	100	inactive							
Di(2-ethylhexyl) phthalate	100	inactive							
Di(propylene glycol) dibenzoate	100	inactive							
Diacetone alcohol	100	inactive							
Diazinon	100	inactive							
Diazoxon	100	inactive							
Dibenzofuran	100	inactive							
Dibromoacetonitrile	100	inactive							
Dibutyl adipate	100	inactive							
Dibutyl decanedioate	100	inactive							
Dibutyl phthalate	100	inactive							
Dicamba	100	inactive							
Dichlobenil	100	inactive							
Dichloroacetic acid	100	inactive							

Dichlorodiphenyltrichloroethane	100	inactive							
Dichlorprop	100	inactive							
Dichlorvos	49.8	inactive							
Diclofenac sodium	100	inactive							
Dicloran	100	inactive							
Diclosulam	100	inactive							
Dicofol	100	inactive							
Dicrotophos	100	inactive							
Dicumyl peroxide	100	inactive							
Dicyclohexyl disulfide	100	inactive							
Dieldrin	100	inactive							
Diethanolamine	100	inactive							
Diethyl butanedioate	100	inactive							
Diethyl phthalate	100	inactive							
Diethyl sulfate	100	inactive							
Diethylene glycol	100	inactive							
Diethylene glycol dibenzoate	100	inactive							
Diethylene glycol dimethyl ether	100	inactive							
Diethylene glycol monomethyl ether	100	inactive							
Difpas-pyrazole	100	inactive							
Dihexyl phthalate	100	inactive							
Diisobutyl adipate	100	inactive							
Diisodecyl hexanedioate	100	inactive							
Diisononyl cyclohexane-1,2-dicarboxylate	100	inactive							
Diisopropyl methylphosphonate	100	inactive							
Dimethipin	100	inactive							
Dimethoate	100	inactive							
Dimethomorph	100	inactive							
Dimethoxane	100	inactive							
Dimethyl adipate	100	inactive							
Dimethyl glutarate	100	inactive							
Dimethyl malonate	100	inactive							
Dimethyl phthalate	100	inactive							
Dimethyl succinate	100	inactive							
Dimethyl sulfate	100	inactive							
Dimethyl terephthalate	100	inactive							
Dimethylaminoethanol	100	inactive							
Dimethylarsinic acid	100	inactive							
Dimethylcarbamoyl chloride	99.9	inactive							
Di-n-octyl phthalate	100	inactive							
Diethyl sebacate	100	inactive							

Dipentyl phthalate	100	inactive							
Diphenhydramine hydrochloride	100	inactive							
Diphenyl isophthalate	100	inactive							
Diphenylamine	100	inactive							
Dipropyl 2,5-pyridinedicarboxylate	100	inactive							
Dipropylene glycol	100	inactive							
Dipropylene glycol monomethyl ether	100	inactive							
Diquat dibromide monohydrate	50	inactive							
Di-tert-butyl peroxide	100	inactive							
Dithiopyr	99.6	inactive							
Diuron	100	inactive							
D-Mannitol	100	inactive							
Dodecylbenzene	100	inactive							
Dodecylbenzene sulfonate triethanolamine(1:1)	89.9	inactive							
Enadoline	100	inactive							
Endosulfan	100	inactive							
Endothal	100	inactive							
Endrin	100	inactive							
EPN	100	inactive							
EPTC	100	inactive							
Erythromycin	25	inactive							
Esfenvalerate	100	inactive							
Estrone	100	inactive							
Ethalfuralin	100	inactive							
Ethanolamine	100	inactive							
Ethephon	100	inactive							
Ethion	100	inactive							
Ethoxyquin	100	inactive							
Ethyl butyrate	100	inactive							
Ethyl heptanoate	100	inactive							
Ethylene glycol	101	inactive							
Ethylene glycol monoethyl ether acetate	100	inactive							
Ethylene thiourea	100	inactive							
Ethylparaben	100	inactive							
Etofenprox	100	inactive							
Etoxazole	100	inactive							
Etridiazole	100	inactive							
Eugenol	100	inactive							
Farglitazar	0.0896	inactive							
FD&C Blue No. 1	100	inactive							
FD&C Yellow 5	100	inactive							

FD&C Yellow 6	100	inactive							
Fenaminosulf	100	inactive							
Fenarimol	100	inactive							
Fenitrothion	100	inactive							
Fenoxaprop-ethyl	100	inactive							
Fenpropathrin	100	inactive							
Fenthion	100	inactive							
Fluconazole	100	inactive							
Flufenacet	100	inactive							
Flufenpyr-ethyl	100	inactive							
Flumetralin	100	inactive							
Flumetsulam	100	inactive							
Flumiclorac-pentyl	100	inactive							
Fluometuron	100	inactive							
Fluoranthene	100	inactive							
Fluorene	100	inactive							
Fluridone	100	inactive							
Fluroxypyr	100	inactive							
Fluroxypyr-meptyl	100	inactive							
Flutamide	100	inactive							
Fluthiacet-methyl	100	inactive							
Flutolanil	99.8	inactive							
Folic acid	100	inactive							
Folpet	100	inactive							
Fomesafen	100	inactive							
Formamide	100	inactive							
Formetanate hydrochloride	101	inactive							
Fosthiazate	100	inactive							
FR130739	100	inactive							
FR145237	88.3	inactive							
FR167356	100	inactive							
FR900409	100	inactive							
Fulvestrant	100	inactive							
Genistein	100	inactive							
Geranyl acetate	100	inactive							
Glutaraldehyde	100	inactive							
Glycerol	100	inactive							
Glycidol	100	inactive							
Glycidyl trimethylammonium chloride	100	inactive							
Grinstad Soft-N-Safe	50000	inactive							
GSK232420A	100	inactive							

GW473178E methyl benzene sulphonic acid	67.4	inactive							
Haloperidol	100	inactive							
Heptachlor	100	inactive							
Heptachlor epoxide B	100	inactive							
Heptanoic acid	100	inactive							
Hexachlorocyclopentadiene	100	inactive							
Hexadecane	100	inactive							
Hexaflumuron	100	inactive							
Hexane-1,6-diyl dibenzoate	100	inactive							
Hexanedinitrile	100	inactive							
Hexanedioic acid	100	inactive							
Hexanedioic acid, diisononyl ester	100	inactive							
Hexanoic acid	100	inactive							
Hexazinone	100	inactive							
Hexythiazox	100	inactive							
HMR1171 trifluoroacetate (1:1)	38.1	inactive							
Hydrochlorothiazide	100	inactive							
Hydroquinone	100	inactive							
Hydroxyurea	100	inactive							
Icardin	100	inactive							
Ilepatril	100	inactive							
Imazamox	100	inactive							
Imazapic	100	inactive							
Imazapyr	100	inactive							
Imazaquin	100	inactive							
Imazethapyr	100	inactive							
Imidacloprid	100	inactive							
Indium arsenide	100	inactive							
Indoxacarb	80.2	inactive							
Ingliforib	100	inactive							
Iodosulfuron-methyl-sodium	99.9	inactive							
Iprodione	100	inactive							
Isoeugenol	100	inactive							
Isoniazid	100	inactive							
Isooctyl acrylate	100	inactive							
Isopentyl alcohol	100	inactive							
Isopentyl butyrate	100	inactive							
Isophorone	100	inactive							
Isophorone diisocyanate	100	inactive							
Isopropalin	100	inactive							
Isopropyl triethanolamine titanate	100	inactive							

Isoproterenol hydrochloride	100	inactive							
Isoxaben	100	inactive							
Isoxaflutole	100	inactive							
Lactofen	100	inactive							
Levonorgestrel	100	inactive							
Lindane	100	inactive							
Lovastatin	100	inactive							
L-Tartaric acid	100	inactive							
L-Tryptophan	100	inactive							
Malaoxon	100	inactive							
Malathion	100	inactive							
Maleic hydrazide	100	inactive							
Malic acid	100	inactive							
Maltol	104	inactive							
Mancozeb	50	inactive							
Maneb	100	inactive							
MCPA	100	inactive							
Mepanipyrim	100	inactive							
Mepiquat chloride	100	inactive							
Mesotrione	101	inactive							
Metam-sodium hydrate	100	inactive							
Methacrylamide	100	inactive							
Methamidophos	100	inactive							
Methenamine	102	inactive							
Methidathion	100	inactive							
Methimazole	100	inactive							
Methomyl	100	inactive							
Methotrexate	100	inactive							
Methoxychlor	99.5	inactive							
Methoxyfenozide	99.8	inactive							
Methyl (RS)-2-[4-(2,4-dichlorophenoxy)phenoxy]propionate	100	inactive							
Methyl 2-aminobenzoate	100	inactive							
Methyl dodecanoate	100	inactive							
Methyl isothiocyanate	100	inactive							
Methyl methanesulfonate	100	inactive							
Methyl octanoate	100	inactive							
Methyl parathion	100	inactive							
Methyl salicylate	100	inactive							
Methyldopa sesquihydrate	100	inactive							
Methyleugenol	100	inactive							
Methylparaben	100	inactive							

Metribuzin	100	inactive							
Mevinphos	100	inactive							
Michler's ketone	100	inactive							
Mifepristone	100	inactive							
Mirex	100	inactive							
MK-547	100	inactive							
MK-812	100	inactive							
Monobenzyl phthalate	100	inactive							
Monobutyl phthalate	100	inactive							
Monocrotophos	100	inactive							
Monomethyl phthalate	100	inactive							
Monuron	100	inactive							
Myrcene	100	inactive							
N,N,4-Trimethylaniline	100	inactive							
N,N,Nâ€²,Nâ€²-Tetrakis(2-hydroxypropyl)ethylenediamine	100	inactive							
N,N-Diethylaniline	100	inactive							
N,N-Diethylethanolamine	100	inactive							
N,N-Dimethylaniline	103	inactive							
N,N-Dimethyldecylamine oxide	100	inactive							
N,N-Dimethyloctylamine	100	inactive							
N,N'-Methylenebisacrylamide	100	inactive							
Naphthalene	100	inactive							
N-Ethyl-3-methylaniline	100	inactive							
N-Ethylaniline	100	inactive							
N-Ethylperfluorooctanesulfonamide	100	inactive							
Nicotine	99.9	inactive							
Nicotinic acid	100	inactive							
Nitrapyrin	100	inactive							
Nitrilotriacetic acid	91.6	inactive							
Nitrobenzene	100	inactive							
Nitrofen	100	inactive							
N-Methyl-2-pyrrolidone	100	inactive							
N-Methylacetamide	100	inactive							
N-Methyldioctylamine	100	inactive							
N-Nitrosodibutylamine	100	inactive							
N-Nitrosodiethylamine	100	inactive							
N-Nitrosodimethylamine	100	inactive							
N-Nitrosodiphenylamine	100	inactive							
N-Nitrosodipropylamine	100	inactive							
Nonanoic acid	100	inactive							
Norethindrone	100	inactive							

Norflurazon	100	inactive							
Novaluron	100	inactive							
N-Phenyl-1,4-benzenediamine	100	inactive							
N-Vinyl-2-pyrrolidone	100	inactive							
o-(Chloroacetylcarbamoyl)fumagillol	32.2	inactive							
o,p'-DDT	100	inactive							
o-Cresol	100	inactive							
Octabenzene	100	inactive							
Octadecanoic acid	50	inactive							
Octamethylcyclotetrasiloxane	100	inactive							
Octanal	100	inactive							
Octanoic acid	100	inactive							
Octrizole	100	inactive							
Oxamyl	100	inactive							
Oxazolidine-E	100	inactive							
Oxyfluorfen	100	inactive							
Oxytetracycline dihydrate	100	inactive							
Oxytetracycline hydrochloride	100	inactive							
p,p'-DDD	100	inactive							
p,p'-DDE	100	inactive							
Paclobutrazol	100	inactive							
Parathion	100	inactive							
p-Bromodiphenyl ether	100	inactive							
p-Cresol	100	inactive							
p-Cymene	100	inactive							
PD 0200347	100	inactive							
Penoxsulam	100	inactive							
Pentachloronitrobenzene	100	inactive							
Pentachloropyridine	100	inactive							
Pentadecane	100	inactive							
Pentaerythritol	100	inactive							
Pentaerythritol dibromide	100	inactive							
Pentamidine isethionate	87.3	inactive							
Pentanal	100	inactive							
Pentane-1,5-diyl dibenzoate	100	inactive							
Pentyl acetate	100	inactive							
Perfluoroheptanoic acid	100	inactive							
Perfluorohexanoic acid	100	inactive							
Perfluorononanoic acid	100	inactive							
Perfluorooctanesulfonic acid	100	inactive							
Perfluorooctanoic acid	100	inactive							



Permethrin	100	inactive							
PHA-00543613	100	inactive							
PHA-00568487	100	inactive							
PharmaGSID_47263	100	inactive							
PharmaGSID_47330	100	inactive							
PharmaGSID_47333	100	inactive							
PharmaGSID_48166	100	inactive							
PharmaGSID_48505	100	inactive							
PharmaGSID_48506	100	inactive							
PharmaGSID_48507	100	inactive							
PharmaGSID_48509	100	inactive							
PharmaGSID_48511	93.1	inactive							
PharmaGSID_48516	100	inactive							
PharmaGSID_48518	100	inactive							
PharmaGSID_48521	90	inactive							
Phenanthrene	100	inactive							
Phenol	100	inactive							
Phenolphthalin	100	inactive							
Phenothiazine	100	inactive							
Phosalone	100	inactive							
Phosmet	100	inactive							
Picloram	100	inactive							
Pioglitazone hydrochloride	100	inactive							
Piperazine	100	inactive							
Piperonyl butoxide	101	inactive							
Piragliatin	25	inactive							
Pirimicarb	100	inactive							
PK 11195	63.6	inactive							
Potassium perfluorobutanesulfonate	105	inactive							
Potassium perfluorohexanesulfonate	100	inactive							
Potassium perfluorooctanesulfonate	96.2	inactive							
Pravastatin sodium	50	inactive							
Prednisone	100	inactive							
Procymidone	100	inactive							
Prodiamine	99.8	inactive							
Prometon	100	inactive							
Prometryn	100	inactive							
Propamocarb hydrochloride	100	inactive							
Propazine	100	inactive							
Propoxur	100	inactive							
Propoxycarbazone-sodium	100	inactive							

Propyl gallate	100	inactive							
Propylbenzene	100	inactive							
Propyzamide	100	inactive							
Pymetrozine	100	inactive							
Pyraflufen-ethyl	100	inactive							
Pyrene	100	inactive							
Pyridoxine	100	inactive							
Pyrimethamine	100	inactive							
Pyrimethanil	100	inactive							
Pyrithiobac-sodium	100	inactive							
Quercetin	100	inactive							
Quinclorac	100	inactive							
Quinoline	100	inactive							
Quinoxifen	100	inactive							
Quizalofop-ethyl	85.9	inactive							
Raloxifene hydrochloride	100	inactive							
Reserpine	84.6	inactive							
Resorcinol	100	inactive							
Retinol	104	inactive							
Rifampicin	100	inactive							
Safrole	100	inactive							
SAR102608	100	inactive							
SAR102779	100	inactive							
SAR377142	100	inactive							
SB202235	100	inactive							
SB243213A	92.2	inactive							
SB281832	100	inactive							
SB413217A	46.6	inactive							
Sethoxydim	100	inactive							
Silica	100	inactive							
Simazine	100	inactive							
Simvastatin	100	inactive							
Sodium (2-pyridylthio)-N-oxide	100	inactive							
Sodium benzoate	100	inactive							
Sodium chlorite	100	inactive							
Sodium dehydroacetate	100	inactive							
Sodium dimethyldithiocarbamate	100	inactive							
Sodium dodecyl sulfate	100	inactive							
Sodium dodecylbenzenesulfonate	100	inactive							
Sodium erythorbate (1:1)	100	inactive							
Sodium hexyldecyl sulfate	49.9	inactive							

Sodium L-ascorbate	100	inactive							
Sodium myristyl sulfate	100	inactive							
Sodium nitrite	100	inactive							
Sodium saccharin hydrate	100	inactive							
Sodium trichloroacetate	100	inactive							
Sodium xylenesulfonate	100	inactive							
Sorbitan, mono-(9Z)-9-octadecenoate	100	inactive							
Spirodiclofen	100	inactive							
Spironolactone	100	inactive							
Spiroxamine	100	inactive							
SR144190	100	inactive							
SR146131 trifluoroacetate (1:1)	100	inactive							
SR271425	100	inactive							
SSR 103800	92.6	inactive							
SSR 240612	66.3	inactive							
SSR 241586 HCl	61.5	inactive							
SSR146977	25	inactive							
SSR161421	100	inactive							
SSR162369	100	inactive							
SSR180711	100	inactive							
SSR504734	100	inactive							
SSR69071	25	inactive							
Stavudine	100	inactive							
Styrene oxide	100	inactive							
Sucrose	100	inactive							
Sucrose octaacetate	75.4	inactive							
Sulfasalazine	100	inactive							
Sulfentrazone	100	inactive							
Surinabant	100	inactive							
Symclosene	100	inactive							
Tamoxifen	50	inactive							
Tannic acid	100	inactive							
Tebufenozide	100	inactive							
Tebuthiuron	100	inactive							
Tefluthrin	100	inactive							
Tepraloxydim	100	inactive							
Terbacil	100	inactive							
Terbufos	100	inactive							
Terbutylazine	100	inactive							
tert-Butyl perbenzoate	100	inactive							
tert-Butylbenzene	100	inactive							

tert-Butylhydroquinone	100	inactive							
Tetracycline	100	inactive							
Thalidomide	100	inactive							
Theobromine	41.9	inactive							
Theophylline	100	inactive							
Thiabendazole	100	inactive							
Thiacloprid	100	inactive							
Thiamethoxam	100	inactive							
Thiazopyr	100	inactive							
Thidiazuron	100	inactive							
Thiobencarb	100	inactive							
Thiodicarb	100	inactive							
Thiophanate-methyl	100	inactive							
Thiram	100	inactive							
Thymol	100	inactive							
Tolazamide	100	inactive							
Toluene 2,4-diisocyanate	100	inactive							
Tralkoxydim	100	inactive							
Trelanserin	100	inactive							
Triacetin	100	inactive							
Triadimenol	100	inactive							
Tri-allate	100	inactive							
Triamcinolone	100	inactive							
Tribufos	100	inactive							
Tributylamine	100	inactive							
Trichlorfon	100	inactive							
Trichloroacetic acid	100	inactive							
Triclocarban	100	inactive							
Tridemorph	100	inactive							
Triethanolamine	100	inactive							
Triethoxyoctylsilane	100	inactive							
Triethyl citrate	100	inactive							
Triethylene glycol	100	inactive							
Triethylene glycol bis(2-ethylhexanoate)	100	inactive							
Triethylene glycol diacetate	100	inactive							
Triethylene glycol dimethyl ether	100	inactive							
Trifloxysulfuron-sodium	100	inactive							
Trifluralin	100	inactive							
Triglycidyl isocyanurate	100	inactive							
Triisononyl trimellitate	100	inactive							
Triocetyl trimellitate	101	inactive							

Triphenyl phosphate	100	inactive							
Triphenyl phosphite	100	inactive							
Tripropylene glycol monomethyl ether	100	inactive							
Tris(1,3-dichloro-2-propyl) phosphate	100	inactive							
Tris(2-chloroethyl) phosphate	100	inactive							
Tris(2-ethylhexyl) phosphate	100	inactive							
Tris(2-ethylhexyl) trimellitate	100	inactive							
Triticonazole	99.6	inactive							
UK-333747	100	inactive							
UK-337312	100	inactive							
UK-343664	50	inactive							
UK-416244	100	inactive							
Undecane	100	inactive							
Urea	100	inactive							
Urethane	100	inactive							
Valproic acid	100	inactive							
Vernolate	100	inactive							
Vinclozolin	100	inactive							
Volinanserin	100	inactive							
Warfarin	100	inactive							
YM218	62.7	inactive							
Zamifenacin	100	inactive							
Zenarestat	50	inactive							