

Pheno- type class	Compound name	Pharmacological class	Selectivity	Type of edema						Cardiac pheno- type	Lymph heart enlarge- ment	Lethality	
				Cerebral	Peri- ocular	Peri- cardial	Ventral	Procto- deal	Pro- nephric				Tail tip
A	1,3-Diethyl-8-phenylxanthine CGS-15943	Adenosine	A1		41/42	41/42						45	
		Adenosine	A1		41/42	45		45				46	
	Mevastatin	Antibiotic	Ras, Rho		35/36	41/42			§			45	
	1,10-Phenanthroline monohydrate	Biochemistry	Metallo- protease		39/40	41/42						46	
	Felodipine	Ca2+ Channel	L-type		41/42	41/42		41/42				45	
	MRS 1845	Ca2+ Channel	SOC		41/42	41/42		41/42			41/42	45	
	Nicardipine hydrochloride	Ca2+ Channel	L-type		41/42	41/42						45	
	Nifedipine	Ca2+ Channel	L-type		41/42	41/42	45					46	
	Nimodipine	Ca2+ Channel	L-type		41/42	41/42‡				41/42¶		41/42	
	SKF 96365	Ca2+ Channel			39	40	40					41/42	
	Forskolin	Cyclic Nucleotides	Adenylate cyclase		39	39	39					41/42	
	Pimozide	Dopamine	D2		41/42	41/42		41/42		41/42¶		45	
	Clemastine fumarate	Histamine	H1		46	46	45					-	
	GW2974	Phosphorylation	EGFR / ErbB2		41/42	41/42	41/42					45	47
	Amperozide hydrochloride	Serotonin			45	41/42	41/42						-
6(5H)-Phenanthridinone	Transcription	PARP		45	45	45						47	
B	L-765,314	Adrenoceptor	alpha-1B		41/42 #	45						-	
	YC-1	Cyclic Nucleotides	Guanylyl cyclase		45	45						-	
	GBR-12909 dihydrochloride	Dopamine	Reuptake		45	45		45				-	
	N-(p- Isothiocyanatophenethyl) spiperone hydrochloride	Dopamine	D2		45	45						-	
	Riluzole	Glutamate	Release		45	45		45				-	
	beta-Estradiol	Hormone	Estrogen		42 #							45	
	Cyclosporin A	Phosphorylation	Calcineurin phosphatase		45	45		41/42				-	
	Diacylglycerol kinase inhibitor I	Phosphorylation	Diacylglycerol kinase		45	45						-	
	Diacylglycerol Kinase Inhibitor II	Phosphorylation	Diacylglycerol kinase		46	41/42		45				-	
	Kenpauillone	Phosphorylation	CDK1, CDK2, CDK5		45	45						-	
	SU 4312	Phosphorylation	KDR		45	45		45				-	
Ritanserlin	Serotonin	5-HT2/5- HT1C		41/42	41/42		45				-		
C	Naphthyridine	Adenosine	A1			39						39	
	(±)-alpha-Lipoic Acid	Cell stress	Pyruvate de- hydrogenase			39			42			45	
	Zardaverine	Cyclic Nucleotides	PDE III/PDE IV		39/40			41/42				43	
	Nocodazole	Cytoskeleton and ECM	beta-tubulin		33/34							33/34	
	Podophyllotoxin	Cytoskeleton and ECM			39/40							41/42	
	2-methoxyestradiol	Hormone	Estrogen		33/34							33/34	
	Dequalinium dichloride	K+ Channel			39							39	
	7-Cyclo	Phosphorylation	Ick		41/42			41/42				45	
	GW5074	Phosphorylation	Raf1 kinase		33/34							41/42	
	Meclofenamic acid sodium	Prostaglandin	COX / 5- Lipoxygenase		35/36							41/42	
D	4-Amino-1,8- naphthalimide Sobuzoxane	Apoptosis	PARP		41/42*	41/42		47				-	
		Gene Regulation	Topo II		45*	45	45	41/42				47	
	SU 6656	Phosphorylation	Src family kinases		41/42*	41/42	39/40	39/40	39/40			46	
E	Retinoic acid	Apoptosis			39+			40	39			39	
	13-cis-retinoic acid	Transcription	RAR-alpha, beta		45+	41/42		45				46	
	TTNPB	Transcription	RAR-alpha, beta, gamma		41/42+	41/42	41/42	39				45	
F	Genistein	Phosphorylation	Tyrosine kinase						35/36			41/42	
	IC 261	Phosphorylation	CK-1		35/36		41/42	41/42		§		41/42	

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			delta/epsilon										
	Tyrphostin AG 1478	Phosphorylation	EGFR		45		45				45¶		46
	Tyrphostin AG 494	Phosphorylation	EGFR			39					§		40

\*Periocular edema causing bulging eyes. #Bilateral periocular edemas causing narrow-set eyes. +Cerebral edema extending dorso-anteriorly and displacing the eyes. §Heart tube failed to loop. ¶The heart chambers were enlarged. ‡The edemas were also detected in the gut. Numbers shown represent embryonic stages according to Nieuwkoop and Faber (NF). Compound abbreviations: 7-Cyclo, 7-Cyclopentyl-5-(4-phenoxy)phenyl-7H-pyrrolo[2,3-d]pyrimidin-4-ylamine; Naphthyridine, 7-Chloro-4-hydroxy-2-phenyl-1,8-naphthyridine.