

## Developmental Neurotoxicity Screening Assay Chemical List

Phase 1 (2021) - 115 chemicals

CASRN	DTXSID	Chemical Name	Category
NOCAS_09864	DTXSID801336159	Fu Zi (Zhi) ( <i>Aconitum Lateralis</i> ) root extract <sup>1</sup>	Botanical
8063-12-5	DTXSID901018461	Aconite Root Straight Powder <sup>1</sup>	Botanical
NOCAS_09845	DTXSID301334841	Bupleurum <sup>2</sup>	Botanical
NOCAS_09845	DTXSID301334841	Bupleurum Root Powder <sup>2</sup>	Botanical
NOCAS_09845	DTXSID301334841	Bupleurum Root Straight Powder <sup>2</sup>	Botanical
NOCAS_09844	DTXSID101336160	Guarana <sup>3</sup>	Botanical
84929-28-2	DTXSID501018738	Guarana Extract <sup>3</sup>	Botanical
84929-28-2	DTXSID501018738	Guarana Seed 22% <sup>3</sup>	Botanical
NOCAS_09844	DTXSID001335119	Guarana Seed Powder <sup>3</sup>	Botanical
NOCAS_09857	DTXSID001334842	Kratom Leaf Straight Powder <sup>4</sup>	Botanical
NOCAS_09857	DTXSID001334842	Kratom Whole Dry Leaf (Lot 1142201210) <sup>4</sup>	Botanical
NOCAS_09857	DTXSID001334842	Kratom Whole Dry Leaf (Lot 1110201210) <sup>4</sup>	Botanical
NOCAS_09853	DTXSID701334843	Wormwood <sup>5</sup>	Botanical
NOCAS_09885	DTXSID301335118	Wormwood Herb 10:1 <sup>5</sup>	Botanical
NOCAS_09853	DTXSID601335117	Wormwood HERB Powder Organic <sup>5</sup>	Botanical
NOCAS_09853	DTXSID601335117	Wormwood Powder <sup>5</sup>	Botanical
85117-22-2	DTXSID4032291	Yohimbe Bark 8% <sup>6</sup>	Botanical
85117-22-2	DTXSID4032291	Yohimbe Bark Extract <sup>6</sup>	Botanical
85117-22-2	DTXSID4032291	Yohimbe Extract <sup>6</sup>	Botanical
85117-22-2	DTXSID4032291	Yohimbe Extract 450 mg <sup>6</sup>	Botanical
50-81-7	DTXSID5020106	L-ascorbic acid	Negative Control
82385-42-0	DTXSID7021992	Saccharin Sodium hydrate	Negative Control
115-09-3	DTXSID5020813	Methyl mercuric chloride	Positive Control
83-79-4	DTXSID6021248	Rotenone	Positive Control
320-67-2	DTXSID9020116	5-Azacytidine	Drug
134523-03-8	DTXSID6044303	Atorvastatin calcium salt	Drug
15663-27-1	DTXSID4024983	Cisplatin	Drug
69-74-9	DTXSID5024891	Cytarabine hydrochloride	Drug
1051375-16-6	DTXSID90909356	Dolutegravir	Drug
84371-65-3	DTXSID5023322	Mifepristone	Drug
6153-64-6	DTXSID4023412	Oxytetracycline dihydrate	Drug
25637-99-4	DTXSID8025383	Hexabromocyclododecane (HBCD)	Flame Retardant
13674-84-5	DTXSID5026259	Tris (chloropropyl) phosphate	Flame Retardant
131860-33-8	DTXSID0032520	Azoxystrobin	Fungicide
188425-85-6	DTXSID6034392	Boscalid	Fungicide
10605-21-7	DTXSID4024729	Carbendazim	Fungicide
120116-88-3	DTXSID9034492	Cyazofamid	Fungicide
131807-57-3	DTXSID8034588	Famoxadone	Fungicide
79622-59-6	DTXSID7032551	Fluazinam	Fungicide
361377-29-9	DTXSID2034625	Fluoxastrobin	Fungicide
143390-89-0	DTXSID2032558	Kresoxim-methyl	Fungicide
117428-22-5	DTXSID9047542	Picoxystrobin	Fungicide
12071-83-9	DTXSID1052741	Propineb	Fungicide
178928-70-6	DTXSID4034869	Prothioconazole	Fungicide
175013-18-0	DTXSID7032638	Pyraclostrobin	Fungicide
137-26-8	DTXSID5021332	Thiram	Fungicide
43121-43-3	DTXSID3023897	Triadimefon	Fungicide
141517-21-7	DTXSID4032580	Trifloxystrobin	Fungicide
50471-44-8	DTXSID4022361	Vinclozolin	Fungicide
94-75-7	DTXSID0020442	2,4-Dichlorophenoxy acetic acid (2,4-D)	Herbicide
129909-90-6	DTXSID3034329	Amicarbazone (MKH 3586)	Herbicide
741-58-2	DTXSID9032329	Bensulide	Herbicide
20243-81-6	DTXSID2037500	Bensulide oxon	Herbicide
105512-06-9	DTXSID6032354	Clodinafop-propargyl (CGA-184927)	Herbicide

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759-94-4	DTXSID1024091	EPTC (S-Ethyl dipropylthiocarbamate)	Herbicide
55283-68-6	DTXSID8032386	Ethalfuralin	Herbicide
141112-29-0	DTXSID5034723	Isoxaflutole	Herbicide
29450-45-1	DTXSID5034698	MCPA.EHE (2-ethyl hexyl ester)	Herbicide
104206-82-8	DTXSID7032424	Mesotrione	Herbicide
2212-67-1	DTXSID6024206	Molinate	Herbicide
42874-03-3	DTXSID7024241	Oxyfluorfen	Herbicide
365400-11-9	DTXSID2044343	Pyrasulfotole (AE 0317309)	Herbicide
447399-55-5	DTXSID4058104	Pyroxasulfone (KIH-485)	Herbicide
78-48-8	DTXSID1024174	Tribufos	Herbicide
31142-56-0	DTXSID3030711	Aluminum citrate	Industrial
95-16-9	DTXSID7024586	Benzothiazole	Industrial
85-68-7	DTXSID3020205	Benzyl butyl phthalate	Industrial
117-81-7	DTXSID5020607	Di(2-ethylhexyl) phthalate	Industrial
84-74-2	DTXSID2021781	Di(n-butyl) phthalate	Industrial
84-69-5	DTXSID9022522	Diisobutyl phthalate	Industrial
100-41-4	DTXSID3020596	Ethylbenzene	Industrial
67-63-0	DTXSID7020762	Isopropanol	Industrial
3622-84-2	DTXSID7027540	N-Butylbenzenesulfonamide	Industrial
159989-65-8	DTXSID2033736	Nelfinavir mesylate	Industrial
563-68-8	DTXSID6024331	Thallium (I) acetate	Industrial
126-73-8	DTXSID3021986	Tributyl phosphate (TNBP)	Industrial
112-35-6	DTXSID5026912	Triethylene Glycol Monomethyl Ether (TGME)	Industrial
13252-13-6	DTXSID70880215	GenX (HFPO-DA/ hexafluoropropylene oxide dimer acid)	Industrial-PFAS
375-73-5	DTXSID5030030	Perfluorobutanesulfonic acid (PFBS)	Industrial-PFAS
3871-99-6	DTXSID3037709	Perfluorohexanesulfonic acid potassium salt (PFHSKslt)	Industrial-PFAS
1763-23-1	DTXSID3031864	Perfluorooctanesulfonic acid (PFOS)	Industrial-PFAS
335-67-1	DTXSID8031865	Perfluorooctanoic acid (PFOA)	Industrial-PFAS
134-62-3	DTXSID2021995	DEET	Insect repellent
105726-67-8	DTXSID5032440	N-Methylneodecanamide (MNDA)	Insect repellent
3564-98-5	DTXSID5035084	p-methane-3,8-diol (Cyclohexanemethanol)	Insect repellent
71751-41-2	DTXSID8023892	Abamectin 1 and 2	Insecticide
68359-37-5	DTXSID5035957	Baythroid	Insecticide
82657-04-3	DTXSID9020160	Bifenthrin	Insecticide
1563-66-2	DTXSID9020249	Carbofuran	Insecticide
54593-83-8	DTXSID2032344	Chlorethoxyfos	Insecticide
3957-63-9	DTXSID7037509	Chlorethoxyfos oxon	Insecticide
122453-73-0	DTXSID9032533	Chlorfenapyr	Insecticide
1315501-18-8	DTXSID40274167	Cypermethrin zeta	Insecticide
962-58-3	DTXSID5037523	Diazoxon	Insecticide
62-73-7	DTXSID5020449	Dichlorvos (DDVP)	Insecticide
155569-91-8	DTXSID0034566	Emamectin benzoate	Insecticide
13194-48-4	DTXSID4032611	Ethoprop	Insecticide
22224-92-6	DTXSID3024102	Fenamiphos	Insecticide
111812-58-9	DTXSID2032550	Fenpyroximate (Z,E)	Insecticide
69770-45-2	DTXSID8058166	Flumethrin	Insecticide
300-76-5	DTXSID1024209	Naled	Insecticide
298-02-2	DTXSID4032459	Phorate	Insecticide
2600-69-3	DTXSID4037586	Phorate oxon	Insecticide
732-11-6	DTXSID5024261	Phosmet	Insecticide
3735-33-9	DTXSID6042286	Phosmet oxon	Insecticide
96489-71-3	DTXSID5032573	Pyridaben	Insecticide
96182-53-5	DTXSID1032482	Tebupirimfos	Insecticide
1035330-36-9	DTXSID5037602	Tebupirimphos oxon (OMAT)	Insecticide
13071-79-9	DTXSID2022254	Terbufos	Insecticide
56070-14-5	DTXSID0037601	Terbufos oxon	Insecticide

CASRN	DTXSID	Chemical Name	Category
10548-10-4	DTXSID6042444	Terbufos sulfoxide	Insecticide
22248-79-9	DTXSID1032648	Tetrachlorvinphos	Insecticide
118712-89-3	DTXSID4046812	Transfluthrin	Insecticide
997-55-7	DTXSID40897219	N-Acetyl-L-aspartic acid	Miscellaneous
994-36-5	DTXSID1027348	Sodium citrate	Miscellaneous

<sup>1</sup> Aconite (*Aconitum* spp)

<sup>2</sup> Bupleurum (*Bupleurum chinensis*)

<sup>3</sup> Guarana (*Paullinia cupana*)

<sup>4</sup> Kratom (*Mitragyna speciosa*)

<sup>5</sup> Wormwood (*Artemisia absinthium* L.)

<sup>6</sup> Yohimbe (*Pausinystalia yohimbe*)

Stock solvents: dimethyl sulfoxide (DMSO) or water (if insoluble DMSO).

Stock concentrations: target is 100 mM but  $\leq$  100 mM depending on solubility with 20 mM minimum except for botanicals.

For botanicals the molecular weight is unknown; stock concentrations range from 0.7 to 65 mg/mL.