

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Cytotoxic

Chemical	Dosage
(+)-CASSYTHICINE	--
(+)-CATECHIN	TC50=>100 ug/ml
(+)-CATECHIN-7-O-GALLATE	TC50=>100 ug/ml
(+)-SYRINGARESINOL	--
(-)-ARCTIGENIN	--
(-)-ARMEPAVINE-N-OXIDE	ED50(KB)=4.0 ug/ml
(-)-EPICATECHIN	TC50=>100 ug/ml
(-)-EPICATECHIN-3-O-GALLATE	TC50=>100 ug/ml
(-)-EPIGALLOCATECHIN-GALLATE	--
(-)-KURARINONE	--
(2S)-2'-METHOXYKURARINONE	--
1-HYDROXY-11-METHOXYCANTHIN-6-ONE	ED50(KB)=2.0 ug/ml
1-HYDROXY-5-METHYLANTHRAQUINONE	ED50(KB)=2.5 ug/ml
10-EPIEUPATOROXIN	ED50=2.6
11,13-DIHYDROVERNOLADIN	0.34
11-DEOXOCUCURBITACIN-I	--
11-HYDROXY-1-METHOXYCANTHIN-6-ONE	ED50(KB)=2.0 ug/ml
11-HYDROXYCANTHIN-6-ONE	ED50(KB)=1.0 ug/ml
12ALPHA-HYDROXYAMORSTATIN	--
15-HYDROXY-3-DEHYDRODESOXY-FRUITICIN	--
16-ACETYLSTROSPESIDE	0.035 ug/ml
19-O-METHYLANGUSTOLINE	ED50=2.32 ug/ml
2",3"-DIHYDROROBUSTAFLAVONE-7,4'-DIMETHYL-ETHER	--
2'-ACETYLNERIIFOLIN	9KB ED50=0.033 ppm
2,5-DIMETHOXY-P-BENZOQUINONE	ED50=1.3-5.2ug/ml
2-ALPHA-HYDROXYALANTOLACTONE	--
2-HYDROXY-METHYL-ANTHRAQUINONE	--

Chemical	Dosage
2-N-NOROBAMEGINE	ED50=2.3
22-HYDROXYTINGENONE	ED50=0.07-0.84 ug/ml
28,29-DIHYDROXYFRIEDELAN-3-ONE	ED50=0.64 ug/ml
3,3',4'-TRI-O-METHYL-ELLAGIC-ACID	ED50(KB)=7.7 ug/ml
3,5-DIHYDROXY-4-METHOXYBENZOIC-ACID-METHYL-ESTER	ED50=8.6 ug/ml
3-(3,3-DIMETHYLALLYL)-5-(3-ACETYL-2,4-DIHYDROXY-5-METHYL-6-METHOXYBENZYL)-PHLORACETOPHENONE	--
3-ACETOXYNORERYTHROSTACHAMINE	ED50=490 ug/ml
3-ACETOXYNORERYTHROSUAMINE	ED50=300 ug/ml
3-ALPHA,17-ALPHA-CINCHOPHYLLINE	IC50=3.55 ug/ml
3-ALPHA,17-BETA-CINCHOPHYLLINE	IC50=0.4 ug/ml
3-BETA,17-BETA-CINCHOPHYLLINE	IC50=2.24 ug/ml
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-23-CAFFEATE	--
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-3-BETA-CAFFEATE	--
3-O-BENZOYL-URSOLIC-ACID	ED50=6.89 ug/ml
3-O-CINNAMOYL-URSOLIC-ACID	ED50=7.24 ug/ml
3-O-CROTONYL-URSOLIC-ACID	ED50=2.59 ug/ml
3-O-PALMITOYL-URSOLIC-ACID	ED50=3.54 ug/ml
3-O-PROPIONYL-URSOLIC-ACID	ED50=2.54 ug/ml
3-OXOFRIEDELAN-28-OIC-ACID	ED50=1.18 ug/ml
3-OXOFRIEDELAN-29-OIC-ACID	ED50=0.21 ug/ml
4'-DEMETHYLDEOXYPODOPHYLLUM	--
4-HYDROXY-25-DESOXYNEOROLLINICIN	HT-29 ED50=1.29 ppm
4-HYDROXYBENZOYL-ERYTHRITOL	--
4-METHYLTHIOCANTHIN-6-ONE	--
5'-DEMETHOXYDEOXYPODOPHYLLUM	--
5,7,4'-HYDROXY-6-METHOXYFLAVONE	--
6-ALPHA-HYDROXYMEDICARPIN	100 ug/ml

Chemical	Dosage
7-HYDROXY-6-HYDROMELODIENOL	ED50=0.25-3.28 ug/ml
8-(3,3-DIMETHYLALLYL)SPATHELIACHROMENE	--
8-DEOXYLACTUCIN	--
8-O-ACETYLNARINGENIN	ED50=>200-425 uM
8-PRENYLNARINGENIN	--
ABRIN	--
ACERATIOSIDE	ED50=9 ug/ml
ACETYLCAMPTOTHECIN	--
ACETYLSALICYLIC-ACID	0.5-2 mg/ml
ACROPTILIN	--
ACROVESTONE	ED50(KB)=0.5 ug/ml
ACTEOSIDE	ED50=2.6 ug/ml
ADENOSTEMMOIC-ACID-B	ID50=4.2 ug/ml
AESCULETIN	--
AJOENE	2-50 ug/ml
AJUGARIN-I	ED50=>88 uM
AKAGERINE	--
ALANTOLACTONE	ED50=1.4
ALATOLIDE	--
ALIZARIN-1-METHYL-ETHER	--
ALLAMANDICIN	--
ALLAMANDIN	ED50=0.2-0.8 ug/ml
ALLAMCIN	ED50=0.3-3.1 ug/ml
ALLAMDIN	--
ALOE-EMODIN	20 ppm
ALPHA-AMYRIN	50-400
ALPHA-PYRONE	ED50=31-75ug/ml

Chemical	Dosage
AMBROSIN	40-3,500 ppb
ANEMONIN	--
ANGELICIN	--
ANGUSTIBALIN	--
ANNONACIN	9 KB ED50=0.001 ppm
ANNONACIN-10-ONE	9PS ED50=1 ppt
ANNONIN-I	--
ANNONIN-VI	ED50=0.05 ug/ml
ANNOQUINONE-A	--
ANONAIN	--
ANOPTERINE	ED50{KB}=0.05 ug/ml
ANTHRAGALLOL	--
ANTHRALIN	1 ug/mL
APIGENIN	IC50=9.5 uM
APIGENIN	IC88=10 ug/ml
APIGENIN	1-50 uM
ARCTIGENIN	--
ARCTOLIDE	--
ARICINE	IC50=>100 ug/ml
ARISTOLACTAM-IA	ED50=30-32 ug/ml
ARISTOLOCHIC-ACID-I	ED50=22 ug/ml
ARMEPAVINE-N-OXIDE	ED50(KB)=4 ug/ml
ARNICOLIDE-A	--
AROMATICIN	ED50{KB}=0.3-2 ppm
ARTEGLASIN-A	--
ARTEMISININ	IC50=30 uM
ARTICULIN-2-ACETATE	--

Chemical	Dosage
ARTOINDONESIANIN-L	LC50=0.6 ug/ml
ARTONIN-E	LC50=0.6 ug/ml
ARTONIN-M	LC50=7.9 ug/ml
ARTONIN-O	LC50=0.9 ug/ml
ASIMICIN	9KB ED50=<0.00001 ppm
ASPERILLIN	ED50=1 ppm
ASPIRIN	0.5-2 mg/ml
ASPIRIN (ACETYLSALICYLIC-ACID; NOT NATURAL)	0.5-2 mg/ml
ATALAPHILLIDINE	--
ATALAPHILLININE	--
AUCUBIGENIN	--
AUSTROBAILIGNAN-1	ED50=0.027 ug/ml
AUTUMNOLIDE	ED50=3
AZELAIC-ACID	--
BACCHARIN	0.1-1 ppb
BAILEYIN	ED50=0.5
BAKKENOLIDE-A	--
BALIOSPERMIN	--
BERBAMINE	ED50=>10
BERBERASTINE	--
BERBERINE	--
BETULIN	8.6 uM
BETULIN	600 ppm
BETULINIC-ACID	16.4 uM
BETULINIC-ACID	50-100 ppm
BORRERINE	3-6 ug/ml
BORREVERINE	3-6 ug/ml

Chemical	Dosage
BRICKELLIN	ED50=>25 ug/ml
BRUCEANIC-ACID	--
BRUCEANIC-ACID-D	--
BRUCEANTIN	(KB) IC50=0.015 uM
BRUCEANTIN	1 ppb
BRUCEINE-A	(KB) IC50=0.188 uM
BRUCEINE-B	(KB) IC50=0.115 uM
BRUCEINE-C	(KB) IC50=0.037 uM
BRUCEINE-D	(KB) IC50=2.82 uM
BRUSATOL	IC50=0.196 ug/ml
BRUSATOL	IC50=29 nM
BUDLEIN-A	--
BUDMUNCHIAMINES	ED50=0.09-11.4 ug/ml
BULLATACIN	femto-ppms
BULLATACINONE	9PS ED50=0.00423 ppm
BULLATACINONE	9KB ED50=<picoppms
BULLATALICIN	9KB ED50=>10 ppm
BURSERAN	--
BUTYRYLMALLOTOCHROMANOL	2,500 ppb
BUTYRYLMALLOTOCHROMENE	3.68 ppm
BUTYRYLMALLOTOJAPONIN	362 ppb
BUTYRYLMALLOTOLERIN	342 ppb
CAFFEIC-ACID	TC50=200 ug/ml
CALAXIN	--
CANAVANINE	--
CANIN	--
CANTALASAPONIN-1	--

Chemical	Dosage
CANTHIN-6-ONE	IC50=1-6 ug/ml
CAPSICODENDRIN	ED50=2.9
CARNOSOLIC-ACID	TC90=0.36 ug/ml
CARPESTEROL	ED50=8.47 ug/ml
CASSAINE	ED50=1
CEPHALOMANNINE	--
CEPHARANOLINE	ED50=>30
CHALCONE	IC98=10 ug/ml
CHAMANETIN	5.2 ppm
CHAMISSONIN	2 ppm
CHAMISSONIN-DEACETATE	--
CHELERYTHRINE	--
CHELIDONINE	--
CHERIMOLINE	9KB ED50=0.000000000006 ppm
CHLOROHYSSOPIFOLIN-A	--
CHRYSANTHEMIN-A	--
CHRYSAROBIN	1 ug/mL
CHRYSIN	--
CHRYSIN	>genistein
CHRYSOSPLENOL-B	ED50=7-8 ug/ml
CHRYSOSPLENOL-C	ED50=11.2 ug/ml
CHRYSOSPLENOL-D	ED50=14 ug/ml
CHRYSOSPLENOL-E	ED50=>25 ug/ml
CHRYSOSPLENOL-F	ED50=>25 ug/ml
CHRYSOSPLENOL-G	ED50=8.6 ug/ml
CINCHOPHYLLINE	--
CINNAMALDEHYDE	ED50=5-60 ug/ml

Chemical	Dosage
CINNAMODIAL	2.2 ppm
CINNAMOLIDE	--
CINNAMOSMOLIDE	1-2 ppm
CITPRESSINE-I	--
CITRAL	--
CLEOMISCOSIN-A	0.4 ug/ml
CNICIN	--
COCLAURINE	--
COLCHICINE	IC50=0.018 uM
CORONARIDINE	--
CORONOPILIN	ED50=1.4
COROSSOLIN	--
COROSSOLONE	--
COSTULONIDE	0.26 ppm
CRYPTOLEPINE	1 ug/mL
CRYPTOPLEURINE	--
CRYPTOWOLLINE	0.14 ppm
CUCURBITACIN	--
CUCURBITACIN-A	1.4 ppb
CUCURBITACIN-B	2.5 ppt
CUCURBITACIN-C	1 ppb
CUCURBITACIN-D	5-10 ppb
CUCURBITACIN-E	0.45 ppt
CUCURBITACIN-F	ED50=0.04-0.074 ug/ml
CUCURBITACIN-F	ED50=3-5 ug/ml
CUCURBITACIN-I	--
CUCURBITACIN-O	--



Chemical	Dosage
CUCURBITACIN-P	--
CUCURBITACIN-Q	--
CUCURBITACIN-TH-I	100-700 ppb
CULARICINE	--
CULARIDINE	--
CULARINE	--
CURCUMIN	IC50=25 uM
CURCUMIN	IC50=1 ug/ml
CURCUMIN	0.4-4 mg/ml
CURCUMINOIDS	--
CYCLAMIN	3-60 ppm
CYCLEANINE	12 ppm
CYNAROPICRIN	--
DAMSIN	0.058 ppm
DAPHNETICIN	--
DATISCACIN	--
DAURICINE	10 ppm
DEACETYLEUPASERRIN	ED50=0.29
DEGUELIN	--
DEHYDROAILANTHINONE	--
DEHYDROAILANTHION	--
DEHYDROFALCARINDIOL	2.1-10 mg/kg
DEOXYELEPHANTOPIN	--
DEOXYPODOPHYLLOTOXIN	4-400 ppm
DESACETOXYMATRICARIN	--
DESACETYLEUPASSERIN	--
DESGLUCOMUSENNIN	1-60 ppm

Chemical	Dosage
DESTIGLOYLANOPTERINE	ED50=1 ug/ml
DI-P-COUMAROYL-METHANE	--
DICHAMANETIN	ED50=1.2
DIFERULOYL-METHANE	--
DIGIFERRUGINEOL	EC50=5.9 ug/ml
DIGIFERRUGINEOL	ED50(KB)=0.09 ug/ml
DIHYDROCHERIMOLINE	9KB ED50=0.00000002 ppm
DIHYDROGEDUNIN	ED50=15.53 ug/ml
DIHYDROPANAXACOL	--
DIHYDROVALTRATE	--
DIOSPYRIN	--
DIPHYLLIN	ED50=< 1ug/ml
DIUVARETIN	ED50=20
DRUMMONDINS	--
EDULEINE	--
ELABUNIN	ED50=1 ug/ml
ELEGANIN	--
ELEPHANTIN	0.28-100 ppm
ELEPHANTOPIN	0.3-100 ppm
ELLAGIC-ACID	4.6 ug/ml
EMARGINATINE-A	--
EMARGINATINE-B	ED50=0.4 ug/ml
EMETINE	IC50=0.02 ug/ml
EMODIN	CD50=2.6 ug/ml
EMODIN-BIANTHRONE	CD50=1.1 ug/ml
ENCELIN	--
ENT-11-ALPHA-HYDROXY-15-OXO-KAUR-16-EN-19-OIC-ACID	ID50=2.8 ug/ml

Chemical	Dosage
EIPOLYGODIAL	--
EPISTEPHANINE	14 ppm
EREMANTHOLIDE-A	2 ppm
ERIOFLORIN	--
ERIOFLORIN-ACETATE	--
ERIOFLORIN-METHACRYLATE	--
ERIOLANGIN	--
ERIOLANIN	--
ERYSOLIN	--
ESCULETIN	--
ETOPOSIDE	--
EUGENOL	25 ug/ml
EUPACHLORIN	ED50=0.21
EUPACHLORIN-ACETATE	--
EUPACHLOROXIN	--
EUPACUNIN	ED50=2.1
EUPACUNOLIN	ED50=3.7
EUPACUNOXIN	ED50=2.1
EUPAFORMOLOCTONE	--
EUPAFORMONIN	--
EUPAFORMOSANIN	--
EUPAHYSSOPIN	--
EUPARHOMBIN	--
EUPAROTIN	ED50=0.21
EUPAROTIN-ACETATE	--
EUPASERRIN	ED50=0.23
EUPATOCUNIN	ED50=0.11-60

Chemical	Dosage
EUPATOCUNOXIN	ED50=1.7
EUPATOLIDE	--
EUPATORIN	--
EUPATORIOPICRIN	ED=1-2
EUPATOROXIN	ED50=2.8
EUPATUNDIN	0.39 ppm
FALCARINDIOL	--
FALCARINOL	0.22-3.8 mg/kg
FANGCHINOLINE	4 ppm
FARINOSIN	--
FASTIGILIN-B	--
FASTIGILIN-BC	--
FASTIGILIN-C	4-3,120 ppb
FERULOYL-P-COUMAROYL-METHANE	--
FLAVONE	IC68=100 ug/ml
FLORILENALIN	ED50=1
FLOSSONOL	--
FULVOPLUMIERIN	ED50=0.7-3.4 ug/ml
GABUNAMINE	--
GABUNINE	--
GAILLARDILIN	2.2 ppm
GAILLARDIN	0.8 ppm
GALLIC-ACID	500 uM
GEDUNIN	ED50=275.1 ug/ml
GENISTEIN	IC89=10 ug/ml
GENISTEIN	>50 ug/ml (185 uM)
GIGANTECIN	9KB ED50=<10 microppm

Chemical	Dosage
GITOGENIN-GALACTOSIDE	65 ppm
GLABRIDIN	--
GNIDICIN	--
GNIDIDIN	--
GNIDILATIDIN-20-PALMITATE	1-5 ppb
GNIDILATIN	20-80 ppb
GNIDILATIN-20-PALMITATE	1-5 ppb
GNIDIMACRIN	12-66 ppb
GNIDIMACRIN-20-PALMITATE	30-50 ppb
GNIDITRIN	--
GONIDIOL-8-MONOACETATE	ED50=1.7-4.8 ug/ml
GONIOTHALAMICIN	9KB ED50=<0.01 ppm
GONIOTHALENOL	--
GOSSYPOL	25 uM
GRAMINILIATRIN	--
GROSSHEMIN	--
GUATTEGAUMERINE	10 ug/ml
GUTTIFERONE-A	>50 ug/ml
GUTTIFERONE-B	>50 ug/ml
GUTTIFERONE-C	>50 ug/ml
GUTTIFERONE-D	>50 ug/ml
GUTTIFERONE-E	>50 ug/ml
HARMALINE	--
HARMALOL	--
HARMAN	--
HARMANE	--
HARMINE	--

Chemical	Dosage
HARRISONIN	--
HELENALIN	ED50=0.1 ug/ml
HELENIAMARIN	--
HINOKIFLAVONE	ED50(KB)=2 ug/ml
HIPPOCRATEIN-I	ED50=1.85 ug/ml
HIYODORILACTONE-A	--
HODGKINSINE-A	8 uM
HOLACANTHONE	--
HOMOISOMELODIENONE	ED50=4.26-36.32 ug/ml
HUAJIAOSIMULINE	ED50=6-29 uM
HYDROQUINONE	--
HYDROXYISOPATCHOULENONE	--
HYMENOFLORIN	--
HYPERICIN	CD50=1.2ug/ml
HYRCANOSIDE	0.1-1.3 ppm
IBOGAMINE	--
INCANUMINE	--
INFLEXIN	--
INGENOL-3,20-DIBENZOATE	130-360 ppb
INOTODIOL	--
INSULARINE-DIMETHIODIDE	>30
ISOACTEOSIDE	ED50=10 ug/ml
ISOALANTOLACTONE	50 ppm
ISOANNONACIN	9PS ED50=3 ppm
ISOANNONACIN-10-ONE	9PS ED50=0.5 ppm
ISOBORREVERINE	3-6ug/ml
ISOBUTYRYLMALLOTOCHROMANOL	6.9 ppm

Chemical	Dosage
ISOBUTYRYLMALLOTOCHROMENE	3.68 ppm
ISOBUTYRYLMALLOTOJAPONIN	340 ppb
ISOBUTYRYLMALLOTOLERIN	2450 ppb
ISOCHAMANETIN	2.4 ppm
ISODOMEDONE	--
ISOEUGENOL	25 ug/ml
ISOGAILLARDIN	1.6 ppm
ISOLIENSININE	16 ppm
ISOMALLOTELERIN	ED50=0.84 ug/ml
ISOMALLOTOCHROMAN	8800 ppb
ISOMALLOTOCHROMANOL	ED50=>20 ug/ml
ISOMALLOTOCHROMANOL	2640 ppb
ISOMALLOTOCHROMENE	285 ppb
ISOPSYCHOTRIDINE	--
ISOPSYCHOTRIDINE-D	EC100=1.5uM
ISOROLLINICIN	9PS ED50=0.01 ppm
ISOUVARETIN	1.9 ppm
ISOXANTHOTHUMOL	--
IVALIN	ED50=0.7 ppm
JACARANONE	ED50=2
JATROPHAM	--
JATROPHONE	0.17
JUNCUSOL	ED50=0.3
JUSTICIDIN	ED50=< 1ug/ml
JUSTICIDIN-A	<1 ug/ml
KAEMPFEROL	--
KHASIANINE	ED50=8.60

Chemical	Dosage
KOENOLINE	--
LACTUCIN	--
LAPACHOL	ED50=4.4 ug/ml
LARICIRESINOL	--
LAUROTETANINE	--
LEACHIANONE-A	--
LIATRIN	2-5 ppm
LICOCHALCONE-A	--
LINALOOL	--
LIPIFEROLIDE	--
LIRIODENDRIN	ED50=2.4-30 ug/ml
LIRIODENINE	--
LUCIDIN-METHYL-ETHER	ED50(KB)=0.62 ug/ml
LUNASINE	--
LUNINE	--
LUPEOL	50-500 ppm
LUTEOLIN	1-50 uM
LYCORICIDINE	--
LYCORINE	--
MACROCALIN-B	IC50=1.6-8.1 ug/ml
MALLOPHENONE	14.8 ppm
MALLOTOCHROMAN	49.1 ppm
MALLOTOCHROMANOL	25.2 ppm
MALLOTOJAPONIN	365 ppb
MALLOTOLERIN	470 ppb
MALLOTOPHENONE	25.2 ppm
MAQUIROSIDE-A	--



Chemical	Dosage
MEDICARPIN	100 ug/ml
MELODORINOL	ED50=1.99-5.89 ug/ml
MELODORINOL-ACETATE	ED50=1.96-4.21 ug/ml
METHYL-P-COUMARATE	800 mg/kg
MEXICANIN-I	ED50=0.3-1.8 ppm
MEZEREIN	--
MICROHELENIN-A	2.5 ppm
MICROMELIN	ED50=48
MIKANOLIDE	<1 ppm
MITROXANTHONE	IC50=0.02-1.54 ug/ml
MOLEPHANTIN	ED50=0.33 ppm
MOLEPHANTININ	ED50=2.5 ppm
MONTANIN	ED50=0.06
MULTIRADIATIN	20-120 ppb
N,N-BISNORAROMOLINE	ED50=3.9
N-(3,4,5-TRIMETHOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=0.45-1.8ug/ml PM56(6):52
N-(3,4-DIMETHOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	0.86-3.23 ug/ml
N-(3-METHOXY-4,5-METHYLENEDIOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=0.4-2.6ug/ml
N-(3-METHOXY-4,5-METHYLENEDIOXYDIHYDROCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=2-5ug/ml
NEOJUSTICIN-B	4 ppm
NERIIFOLIN	9KB ED50=0.022 ppm
NIMBININ	ED50=7.13 ug/mL
NIMBOLIDE	ED50=10.14 ug/mL
NIVEUSIN	--
NIVEUSIN-C	--
NORCASSAIDIDE	ED50=18 ppm
NORCASSAMIDINE	--

Chemical	Dosage
NORDIHYDROGUAIARETIC-ACID	--
NORERYTHROSTACHAMINE	--
O-ACETYLCYPHOLOPHINE	--
O-METHYL-DAURICINE	11 ppm
O-METHYL-PISIFERIC-ACID	--
OXOUSHINSUNINE	--
OXYACANTHINE	>30
OXYAYANIN-A	ED50=2 ug/ml
P-COUMARIC-ACID	--
P-METHOXYCINNAMIC-ACID-ETHYL-ESTER	--
PANAXACOL	--
PANAXYDOL	ED50=0.02-16.4 ug/ml
PANAXYNOL	ED50=0.03-32.1 ug/ml
PANAXYTRIOL	ED50=0.17->70 ug/ml
PARTHENIN	25 ppb
PARTHENOLIDE	2.3 ppm
PAUCIN	--
PENSTEMIDE	50 mg/kg
PHANTOMOLIN	ED50=0.66 ppm
PHYLLANTHOCIN	10 ppb
PHYLLANTHOSIDE	6-24 ppm
PINNATIFIDIN	1.7 ppm
PINOCEMBRIN	ED50=21
PIPERADUNCIN-A	ED50=<4 ug/ml
PIPLARTINE	ED50=0.45-1.8ug/ml
PIPLARTINE-DIMER-A	ED50=2.2-3.9ug/ml
PISIFERIC-ACID	--

Chemical	Dosage
PLENOLIN	ED50=0.8
PLUMBAGIN	--
PLUMERICINE	ED50=0.1-2.8ug/ml
PODOLIDE	--
PROVINCIALIN	ED50=3-4
PSDEUDOLARIC-ACID-B	ED50=0.2-0.66 ug/ml
PSEUDOIVALIN	ED50=1.8 ppm
PSEUDOLARIC-ACID-A	ED50=0.3-0.6 ug/ml
PSILOSTACHYIN-A	5-6 ppm
PSORALEN	ED50=2-30 ug/ml
PSYCHOTRIDINE	EC100=>1.5uM
PTAEROGLYCOL	--
PTEROPODINE	--
PTEROSTILBENE	--
PULCHELLIN	ED50=1-2 ppm
PULVEROCHROMENOL	--
PUNICIC-ACID	--
QUADRIGEMINE	EC100=8uM
QUADRIGENIN	--
QUASSIMARIN	1-4,000 ppm
QUERCETAGETIN-6,7,3',4'-TETRAMETHYLETHER	--
QUERCETIN	ED50=70 ug/ml
QUERCETIN	IC82=100 ug/ml
QUINICINE	IC50=3.2 ug/ml
QUINIDINONE	IC50=17.7 ug/ml
QUININE	IC50=183 ug/ml
RADIATIN	0.39 ppm

Chemical	Dosage
RETUSIN	ED50=>25 ug/ml
RHEIN	CD50=3.4 ug/ml
RHOEADINE	--
ROBUSTAFLAVONE-4'-METHYL-ETHER	--
ROLLINIASTATIN-1	9PS ED50=0.000045 ppm
ROLLINIASTATIN-2	9PS ED50=0.00023 ppm
ROLLINICIN	9PS ED50=0.00000029 ppm
ROLLINONE	9PS ED50=<0.00001 ppm
ROSMARINIC-ACID	TC50=100-150 ug/ml
RUBROFUSARIN	--
RUTAMARIN	--
SAMADERIN	--
SANTAMARIN	--
SCHKUHRIN-I	--
SCHKUHRIN-II	--
SCOPADULCIC-ACID-B	ID50=0.9 uM
SCOPOLETIN	--
SERGEOLIDE	--
SESELIDIOL	ED50=1-10ug/ml
SIPHONODIN	--
SIPHONOSIDE	--
SKULLCAPFLAVONE-II	--
SOLAMARGINE	ED50=1.53 ug/ml
SOLANINE	--
SOLASODINE	ED50=3.75 ug/ml
SOPHORAFLAVANONE-G	--
SPICATIN	--

Chemical	Dosage
SPRUCEANOL	ED50=3.2
SQUAMOCIN	L-1210 ED50=0.58 ppm
SQUAMONE	HT-29 ED50=2.98 ppm
STEBIMISIMINE	16 ppm
STEMODIN	CD50=0.04 mg/ml
SYLVATICIN	9KB ED50=<0.001 ppm
TAGITIN-F	ED50=12-50
TAMAULIPIN-A	1.3-2.6 ppm
TAMAULIPIN-B	1.3-2.6 ppm
TANNIC-ACID	15 ug
TASPINE	250 ng/ml
TAXODIONE	3-50 ppm
TAXODONE	1.8-25 ppm
TENULIN	ED50{KB}=26
TEPHROSIN	--
TETRAMETHYLMAGNOLAMINE	ED50=13
TETRANDRINE-DIMETHIODIDE	>30
THALICBERINE	ED50=13
TRICHOKAURIN	--
TRIPDIOLIDE	1 ppm
TRIPTOLIDE	1 ppm
TUBULOSINE	--
TULIPINOLIDE	ED50=0.46
UNCARINE-C	ED50=24
UNCARINE-D	ED50=36
URSOLIC-ACID	ED50=3.75 ug/ml
URSOLIC-ACID	50 ppm

Chemical	Dosage
URSOLIC-ACID	7.2 uM
UVAOL	100-200 ppm
UVARETIN	10 ppm
UZARIGENIN	--
VALEPOTRIATES	--
VALTRATE	--
VATAMIDINE	micromolar
VATAMINE	micromolar
VATINE	1.5uM
VATINE-A	micromolar
VERBASCOSIDE	ED50=2.6 ug/ml
VERNODALIN	ED50=1.8
VERNOLIDE	2 ppm
VERNOMENIN	ED50=5-20 ppm
VERNOMYGDIN	ED50=1.5
VULGARIN	--
WARBURGANAL	10 ppb
WITHAFERIN-A	ED50=0.28-40
XANTHOMICROL	--
XANTHOTOXIN	ED50=7-29 ug/ml
XANTHOTOXOL	--
XEROPHILUSIN-A	IC50=0.12-2.22 ug/ml
XEROPHILUSIN-B	IC50=0.17-0.73 ug/ml
ZINIOLIDE	--