

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Cytotoxic

Chemical	Dosage
CARNOSOLIC-ACID	TC90=0.36 ug/ml
(+)-CATECHIN	TC50=>100 ug/ml
(-)-EPICATECHIN-3-O-GALLATE	TC50=>100 ug/ml
(+)-CATECHIN-7-O-GALLATE	TC50=>100 ug/ml
(-)-EPICATECHIN	TC50=>100 ug/ml
CAFFEIC-ACID	TC50=200 ug/ml
ROSMARINIC-ACID	TC50=100-150 ug/ml
VATAMINE	micromolar
VATINE-A	micromolar
VATAMIDINE	micromolar
ARTONIN-M	LC50=7.9 ug/ml
ARTONIN-O	LC50=0.9 ug/ml
ARTOINDONESIANIN-L	LC50=0.6 ug/ml
ARTONIN-E	LC50=0.6 ug/ml
SQUAMOCIN	L-1210 ED50=0.58 ppm
ADENOSTEMMOIC-ACID-B	ID50=4.2 ug/ml
ENT-11-ALPHA-HYDROXY-15-OXO-KAUR-16-EN-19-OIC-ACID	ID50=2.8 ug/ml
SCOPADULCIC-ACID-B	ID50=0.9 uM
CHALCONE	IC98=10 ug/ml
GENISTEIN	IC89=10 ug/ml
APIGENIN	IC88=10 ug/ml
QUERCETIN	IC82=100 ug/ml
FLAVONE	IC68=100 ug/ml
ARICINE	IC50=>100 ug/ml
APIGENIN	IC50=9.5 uM
ARTEMISININ	IC50=30 uM
3-ALPHA,17-ALPHA-CINCHOPHYLLINE	IC50=3.55 ug/ml

Chemical	Dosage
QUINICINE	IC50=3.2 ug/ml
BRUSATOL	IC50=29 nM
CURCUMIN	IC50=25 uM
3-BETA,17-BETA-CINCHOPHYLLINE	IC50=2.24 ug/ml
QUININE	IC50=183 ug/ml
QUINIDINONE	IC50=17.7 ug/ml
MACROCALIN-B	IC50=1.6-8.1 ug/ml
CANTHIN-6-ONE	IC50=1-6 ug/ml
CURCUMIN	IC50=1 ug/ml
3-ALPHA,17-BETA-CINCHOPHYLLINE	IC50=0.4 ug/ml
BRUSATOL	IC50=0.196 ug/ml
XEROPHILUSIN-B	IC50=0.17-0.73 ug/ml
XEROPHILUSIN-A	IC50=0.12-2.22 ug/ml
MITROXANTHONE	IC50=0.02-1.54 ug/ml
EMETINE	IC50=0.02 ug/ml
COLCHICINE	IC50=0.018 uM
SQUAMONE	HT-29 ED50=2.98 ppm
4-HYDROXY-25-DESOXYNEOROLLINICIN	HT-29 ED50=1.29 ppm
BULLATACIN	fempto-ppms
EUPATORIOPICRIN	ED=1-2
TENULIN	ED50{KB}=26
AROMATICIN	ED50{KB}=0.3-2 ppm
ANOPTERINE	ED50{KB}=0.05 ug/ml
AJUGARIN-I	ED50=>88 uM
CEPHARANOLINE	ED50=>30
CHRYSOSPLENOL-F	ED50=>25 ug/ml
BRICKELLIN	ED50=>25 ug/ml

Chemical	Dosage
CHRYSOSPLENOL-E	ED50=>25 ug/ml
RETUSIN	ED50=>25 ug/ml
8-O-ACETYLBHARPAGIDE	ED50=>200-425 uM
ISOMALLOTOCHROMANOL	ED50=>20 ug/ml
BERBAMINE	ED50=>10
PIPERADUNCIN-A	ED50=<<4 ug/ml
JUSTICIDIN	ED50=<< 1ug/ml
DIPHYLLIN	ED50=<< 1ug/ml
ACERATIOSIDE	ED50=9 ug/ml
KHASIANINE	ED50=8.60
CHRYSOSPLENOL-G	ED50=8.6 ug/ml
3,5-DIHYDROXY-4-METHOXYBENZOIC-ACID-METHYL-ESTER	ED50=8.6 ug/ml
CARPESTEROL	ED50=8.47 ug/ml
QUERCETIN	ED50=70 ug/ml
3-O-CINNAMOYL-URSOLIC-ACID	ED50=7.24 ug/ml
NIMBININ	ED50=7.13 ug/mL
CHRYSOSPLENOL-B	ED50=7-8 ug/ml
XANTHOTOXIN	ED50=7-29 ug/ml
3-O-BENZOYL-URSOLIC-ACID	ED50=6.89 ug/ml
HUAJIAOSIMULINE	ED50=6-29 uM
CINNAMALDEHYDE	ED50=5-60 ug/ml
VERNOMENIN	ED50=5-20 ppm
3-ACETOXYNORERYTHROSTACHAMINE	ED50=490 ug/ml
MICROMELIN	ED50=48
LAPACHOL	ED50=4.4 ug/ml
HOMOISOMELODIENONE	ED50=4.26-36.32 ug/ml
UNCARINE-D	ED50=36

Chemical	Dosage
ALPHA-PYRONE	ED50=31-75ug/ml
3-ACETOXYNORERYTHROSUAMINE	ED50=300 ug/ml
ARISTOLACTAM-IA	ED50=30-32 ug/ml
N,N-BISNORAROMOLINE	ED50=3.9
SOLASODINE	ED50=3.75 ug/ml
URSOLIC-ACID	ED50=3.75 ug/ml
EUPACUNOLIN	ED50=3.7
3-O-PALMITOYL-URSOLIC-ACID	ED50=3.54 ug/ml
SPRUCEANOL	ED50=3.2
CUCURBITACIN-F	ED50=3-5 ug/ml
PROVINCIALIN	ED50=3-4
AUTUMNOLIDE	ED50=3
GEDUNIN	ED50=275.1 ug/ml
UNCARINE-C	ED50=24
ARISTOLOCHIC-ACID-I	ED50=22 ug/ml
PINOCEMBRIN	ED50=21
DIUVARETIN	ED50=20
CAPSICODENDRIN	ED50=2.9
EUPATOROXIN	ED50=2.8
ACTEOSIDE	ED50=2.6 ug/ml
VERBASCOSIDE	ED50=2.6 ug/ml
10-EPIEUPATOROXIN	ED50=2.6
3-O-CROTONYL-URSOLIC-ACID	ED50=2.59 ug/ml
3-O-PROPIONYL-URSOLIC-ACID	ED50=2.54 ug/ml
MOLEPHANTININ	ED50=2.5 ppm
LIRIODENDRIN	ED50=2.4-30 ug/ml
19-O-METHYLANGUSTOLINE	ED50=2.32 ug/ml

Chemical	Dosage
2-N-NOROBAMEGINE	ED50=2.3
PIPLARTINE-DIMER-A	ED50=2.2-3.9ug/ml
EUPACUNIN	ED50=2.1
EUPACUNOXIN	ED50=2.1
N-(3-METHOXY-4,5-METHYLENEDIOXYDIHYDROCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=2-5ug/ml
PSORALEN	ED50=2-30 ug/ml
OXYAYANIN-A	ED50=2 ug/ml
JACARANONE	ED50=2
NORCASSAIDIDE	ED50=18 ppm
DIHYDROGEDUNIN	ED50=15.53 ug/ml
CHRYSOSPENOL-D	ED50=14 ug/ml
THALICBERINE	ED50=13
TETRAMETHYLMAGNOLAMINE	ED50=13
TAGITIN-F	ED50=12-50
CHRYSOSPENOL-C	ED50=11.2 ug/ml
NIMBOLIDE	ED50=10.14 ug/mL
ISOACTEOSIDE	ED50=10 ug/ml
MELODORINOL	ED50=1.99-5.89 ug/ml
MELODORINOL-ACETATE	ED50=1.96-4.21 ug/ml
HIPPOCRATEIN-I	ED50=1.85 ug/ml
PSEUDOIVALIN	ED50=1.8 ppm
VERNODALIN	ED50=1.8
GONIDIOL-8-MONOACETATE	ED50=1.7-4.8 ug/ml
EUPATOCUNOXIN	ED50=1.7
SOLAMARGINE	ED50=1.53 ug/ml
VERNOMYGDIN	ED50=1.5
CORONOPILIN	ED50=1.4

Chemical	Dosage
ALANTOLACTONE	ED50=1.4
2,5-DIMETHOXY-P-BENZOQUINONE	ED50=1.3-5.2ug/ml
DICHAMANETIN	ED50=1.2
3-OXOFRIEDELAN-28-OIC-ACID	ED50=1.18 ug/ml
PULCHELLIN	ED50=1-2 ppm
SESELIDIOL	ED50=1-10ug/ml
ELABUNIN	ED50=1 ug/ml
DESTIGLOYLANOPTERINE	ED50=1 ug/ml
ASPERILLIN	ED50=1 ppm
CASSAINE	ED50=1
FLORILENALIN	ED50=1
ISOMALLOTELERIN	ED50=0.84 ug/ml
PLENOLIN	ED50=0.8
FULVOPLUMIERIN	ED50=0.7-3.4 ug/ml
IVALIN	ED50=0.7 ppm
PHANTOMOLIN	ED50=0.66 ppm
28,29-DIHYDROXYFRIEDELAN-3-ONE	ED50=0.64 ug/ml
BAILEYIN	ED50=0.5
TULIPINOLIDE	ED50=0.46
N-(3,4,5-TRIMETHOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=0.45-1.8ug/ml PM56(6):52
PIPLARTINE	ED50=0.45-1.8ug/ml
N-(3-METHOXY-4,5-METHYLENEDIOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	ED50=0.4-2.6ug/ml
EMARGINATINE-B	ED50=0.4 ug/ml
MOLEPHANTIN	ED50=0.33 ppm
ALLAMCIN	ED50=0.3-3.1 ug/ml
MEXICANIN-I	ED50=0.3-1.8 ppm
PSEUDOLARIC-ACID-A	ED50=0.3-0.6 ug/ml

Chemical	Dosage
JUNCUSOL	ED50=0.3
DEACETYLEUPASERRIN	ED50=0.29
WITHAFERIN-A	ED50=0.28-40
7-HYDROXY-6-HYDROMELODIENOL	ED50=0.25-3.28 ug/ml
EUPASERRIN	ED50=0.23
3-OXOFRIEDELAN-29-OIC-ACID	ED50=0.21 ug/ml
EUPACHLORIN	ED50=0.21
EUPAROTIN	ED50=0.21
ALLAMANDIN	ED50=0.2-0.8 ug/ml
PSDEUDOLARIC-ACID-B	ED50=0.2-0.66 ug/ml
PANAXYTRIOL	ED50=0.17->70 ug/ml
EUPATOCUNIN	ED50=0.11-60
PLUMERICINE	ED50=0.1-2.8ug/ml
HELENALIN	ED50=0.1 ug/ml
BUDMUNCHIAMINES	ED50=0.09-11.4 ug/ml
22-HYDROXYTINGENONE	ED50=0.07-0.84 ug/ml
MONTANIN	ED50=0.06
ANNONIN-VI	ED50=0.05 ug/ml
CUCURBITACIN-F	ED50=0.04-0.074 ug/ml
PANAXYNOL	ED50=0.03-32.1 ug/ml
AUSTROBAILIGNAN-1	ED50=0.027 ug/ml
PANAXYDOL	ED50=0.02-16.4 ug/ml
3,3',4-TRI-O-METHYL-ELLAGIC-ACID	ED50(KB)=7.7 ug/ml
(-)-ARMEPAVINE-N-OXIDE	ED50(KB)=4.0 ug/ml
ARMEPAVINE-N-OXIDE	ED50(KB)=4 ug/ml
1-HYDROXY-5-METHYLANTHRAQUINONE	ED50(KB)=2.5 ug/ml
11-HYDROXY-1-METHOXYCANTHIN-6-ONE	ED50(KB)=2.0 ug/ml

Chemical	Dosage
1-HYDROXY-11-METHOXYCANTHIN-6-ONE	ED50(KB)=2.0 ug/ml
HINOKIFLAVONE	ED50(KB)=2 ug/ml
11-HYDROXYCANTHIN-6-ONE	ED50(KB)=1.0 ug/ml
LUCIDIN-METHYL-ETHER	ED50(KB)=0.62 ug/ml
ACROVESTONE	ED50(KB)=0.5 ug/ml
DIGIFERRUGINEOL	ED50(KB)=0.09 ug/ml
DIGIFERRUGINEOL	EC50=5.9 ug/ml
PSYCHOTRIDINE	EC100=>1.5uM
QUADRIGEMINE	EC100=8uM
ISOPSYCHOTRIDINE-D	EC100=1.5uM
RHEIN	CD50=3.4 ug/ml
EMODIN	CD50=2.6 ug/ml
HYPERICIN	CD50=1.2ug/ml
EMODIN-BIANTHRONE	CD50=1.1 ug/ml
STEMODIN	CD50=0.04 mg/ml
CHRYSIN	>genistein
GENISTEIN	>50 ug/ml (185 uM)
GUTTIFERONE-A	>50 ug/ml
GUTTIFERONE-C	>50 ug/ml
GUTTIFERONE-E	>50 ug/ml
GUTTIFERONE-B	>50 ug/ml
GUTTIFERONE-D	>50 ug/ml
OXYACANTHINE	>30
INSULARINE-DIMETHIODIDE	>30
TETRANDRINE-DIMETHIODIDE	>30
JUSTICIDIN-A	<1 ug/ml
MIKANOLIDE	<1 ppm

Chemical	Dosage
ROLLINONE	9PS ED50=<0.00001 ppm
ISOANNONACIN	9PS ED50=3 ppm
ANNONACIN-10-ONE	9PS ED50=1 ppt
ISOANNONACIN-10-ONE	9PS ED50=0.5 ppm
ISOROLLINICIN	9PS ED50=0.01 ppm
BULLATACINONE	9PS ED50=0.00423 ppm
ROLLINIASTATIN-2	9PS ED50=0.00023 ppm
ROLLINIASTATIN-1	9PS ED50=0.000045 ppm
ROLLINICIN	9PS ED50=0.000000029 ppm
BULLATALICIN	9KB ED50=>10 ppm
BULLATACINONE	9KB ED50=<picoppms
GIGANTECIN	9KB ED50=<10 microppm
GONIOTHALAMICIN	9KB ED50=<0.01 ppm
SYLVATICIN	9KB ED50=<0.001 ppm
ASIMICIN	9KB ED50=<0.00001 ppm
2'-ACETYLNERIIFOLIN	9KB ED50=0.033 ppm
NERIIFOLIN	9KB ED50=0.022 ppm
DIHYDROCHERIMOLINE	9KB ED50=0.00000002 ppm
CHERIMOLINE	9KB ED50=0.00000000006 ppm
ANNONACIN	9 KB ED50=0.001 ppm
ISOMALLOTOCHROMAN	8800 ppb
METHYL-P-COUMARATE	800 mg/kg
BETULIN	8.6 uM
HODGKINSINE-A	8 uM
URSOLIC-ACID	7.2 uM
GITOGENIN-GALACTOSIDE	65 ppm
BETULIN	600 ppm

Chemical	Dosage
ISOBUTYRYLMALLOTOCHROMANOL	6.9 ppm
PHYLLANTHOSIDE	6-24 ppm
GALLIC-ACID	500 uM
LUPEOL	50-500 ppm
ALPHA-AMYRIN	50-400
BETULINIC-ACID	50-100 ppm
ISOALANTOLACTONE	50 ppm
URSOLIC-ACID	50 ppm
PENSTEMIDE	50 mg/kg
CHAMANETIN	5.2 ppm
PSILOSTACHYIN-A	5-6 ppm
CUCURBITACIN-D	5-10 ppb
MALLOTOCHROMAN	49.1 ppm
MALLOTOLERIN	470 ppb
AMBROSIN	40-3,500 ppb
ELLAGIC-ACID	4.6 ug/ml
DEOXYPODOPHYLLOTOXIN	4-400 ppm
FASTIGILIN-C	4-3,120 ppb
NEOJUSTICIN-B	4 ppm
FANGCHINOLINE	4 ppm
MALLOTOJAPONIN	365 ppb
BUTYRYLMALLOTOJAPONIN	362 ppb
BUTYRYLMALLOTOLERIN	342 ppb
ISOBUTYRYLMALLOTOJAPONIN	340 ppb
GNIDIMACRIN-20-PALMITATE	30-50 ppb
BUTYRYLMALLOTOCHROMENE	3.68 ppm
ISOBUTYRYLMALLOTOCHROMENE	3.68 ppm

Chemical	Dosage
ISOBORREVERINE	3-6ug/ml
CYCLAMIN	3-60 ppm
BORRERINE	3-6 ug/ml
BORREVERINE	3-6 ug/ml
TAXODIONE	3-50 ppm
ISOMALLOTOCHROMENE	285 ppb
ISOMALLOTOCHROMANOL	2640 ppb
TASPINE	250 ng/ml
MALLOTOCHROMANOL	25.2 ppm
MALLOTOPHENONE	25.2 ppm
GOSSYPOL	25 uM
ISOEUGENOL	25 ug/ml
EUGENOL	25 ug/ml
PARTHENIN	25 ppb
ISOBUTYRYLMALLOTOLERIN	2450 ppb
GNIDILATIN	20-80 ppb
MULTIRADIATIN	20-120 ppb
ALOE-EMODIN	20 ppm
CUCURBITACIN-B	2.5 ppt
MICROHELENIN-A	2.5 ppm
ISOCHAMANETIN	2.4 ppm
PARTHENOLIDE	2.3 ppm
CINNAMODIAL	2.2 ppm
GAILLARDILIN	2.2 ppm
DEHYDROFALCARINDIOL	2.1-10 mg/kg
AJOENE	2-50 ug/ml
LIATRIN	2-5 ppm

Chemical	Dosage
BUTYRYLMALLOTOCHROMANOL	2,500 ppb
EREMANTHOLIDE-A	2 ppm
CHAMISSONIN	2 ppm
VERNOLIDE	2 ppm
BETULINIC-ACID	16.4 uM
ISOLIENSININE	16 ppm
STEBIMISIMINE	16 ppm
TANNIC-ACID	15 ug
MALLOPHENONE	14.8 ppm
EPISTEPHANINE	14 ppm
INGENOL-3,20-DIBENZOATE	130-360 ppb
GNIDIMACRIN	12-66 ppb
CYCLEANINE	12 ppm
O-METHYL-DAURICINE	11 ppm
CUCURBITACIN-TH-I	100-700 ppb
UVAOL	100-200 ppm
6-ALPHA-HYDROXYMEDICARPIN	100 ug/ml
MEDICARPIN	100 ug/ml
GUATTEGAUMERINE	10 ug/ml
DAURICINE	10 ppm
UVARETIN	10 ppm
WARBURGANAL	10 ppb
PHYLLANTHOCIN	10 ppb
ISOUVARETIN	1.9 ppm
TAXODONE	1.8-25 ppm
PINNATIFIDIN	1.7 ppm
ISOGAILLARDIN	1.6 ppm

Chemical	Dosage
VATINE	1.5uM
CUCURBITACIN-A	1.4 ppb
TAMAULIPIN-B	1.3-2.6 ppm
TAMAULIPIN-A	1.3-2.6 ppm
DESGLUCOMUSENNIN	1-60 ppm
APIGENIN	1-50 uM
LUTEOLIN	1-50 uM
GNIDILATIDIN-20-PALMITATE	1-5 ppb
GNIDILATIN-20-PALMITATE	1-5 ppb
QUASSIMARIN	1-4,000 ppm
CINNAMOSMOLIDE	1-2 ppm
CHRYSAROBIN	1 ug/mL
ANTHRALIN	1 ug/mL
CRYPTOLEPINE	1 ug/mL
TRIPDIOLIDE	1 ppm
TRIPTOLIDE	1 ppm
BRUCEANTIN	1 ppb
CUCURBITACIN-C	1 ppb
N-(3,4-DIMETHOXYCINNAMOYL)-DELTA-3-PYRIDIN-2-ONE	0.86-3.23 ug/ml
GAILLARDIN	0.8 ppm
ASPIRIN	0.5-2 mg/ml
ASPIRIN (ACETYLSALICYLIC-ACID; NOT NATURAL)	0.5-2 mg/ml
ACETYLSALICYLIC-ACID	0.5-2 mg/ml
CUCURBITACIN-E	0.45 ppt
CURCUMIN	0.4-4 mg/ml
CLEOMISCOSIN-A	0.4 ug/ml
RADIATIN	0.39 ppm

Chemical	Dosage
EUPATUNDIN	0.39 ppm
11,13-DIHYDROVERNOLADIN	0.34
ELEPHANTOPIN	0.3-100 ppm
ELEPHANTIN	0.28-100 ppm
COSTULONIDE	0.26 ppm
FALCARINOL	0.22-3.8 mg/kg
JATROPHONE	0.17
CRYPTOWOLLINE	0.14 ppm
HYRCANOSIDE	0.1-1.3 ppm
BACCHARIN	0.1-1 ppb
DAMSIN	0.058 ppm
16-ACETYLSTROSPESIDE	0.035 ug/ml
CNICIN	--
CORONARIDINE	--
BURSERAN	--
ETOPOSIDE	--
SOPHORAFLAVANONE-G	--
DAPHNETICIN	--
QUERCETAGETIN-6,7,3',4'-TETRAMETHYLETHER	--
ARNICOLIDE-A	--
LIPIFEROLIDE	--
GROSSHEMIN	--
EMARGINATINE-A	--
HARMAN	--
5'-DEMETHOXYDEOXYPODOPHYLLUM	--
EUPAFORMONIN	--
ALIZARIN-1-METHYL-ETHER	--

Chemical	Dosage
O-METHYL-PISIFERIC-ACID	--
CULARINE	--
FASTIGILIN-B	--
ANTHRAGALLOL	--
DESACETOXYMATRICARIN	--
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-23-CAFFEATE	--
AUCUBIGENIN	--
ZINIOLIDE	--
PTAEROGLYCOL	--
DRUMMONDINS	--
MEZEREIN	--
ISOXANTHOTHUMOL	--
ANEMONIN	--
ACROPTILIN	--
CUCURBITACIN-I	--
VULGARIN	--
EUPATOLIDE	--
ANGUSTIBALIN	--
(+)-CASSYTHICINE	--
ACETYLCAMPTOTHECIN	--
GABUNINE	--
ARTEGLASIN-A	--
2-ALPHA-HYDROXYALANTOLACTONE	--
LIRIODENINE	--
PUNICIC-ACID	--
NIVEUSIN-C	--
HARMINE	--

Chemical	Dosage
ERIOFLORIN-ACETATE	--
SIPHONOSIDE	--
INCANUMINE	--
EUPAHYSSOPIN	--
CURCUMINOIDS	--
UZARIGENIN	--
GNIDIDIN	--
BERBERASTINE	--
SAMADERIN	--
COROSSOLIN	--
LICOCHALCONE-A	--
EUPACHLOROXIN	--
CUCURBITACIN-P	--
CHELERYTHRINE	--
TUBULOSINE	--
PAUCIN	--
DEGUELIN	--
ARTICULIN-2-ACETATE	--
DIHYDROPANAXACOL	--
PULVEROCHROMENOL	--
LUNINE	--
GONIOTHALENOL	--
LACTUCIN	--
SANTAMARIN	--
ERIOLANGIN	--
8-(3,3-DIMETHYLALLYL)SPATHELIACHROMENE	--
2",3"-DIHYDROROBUSTAFLAVONE-7,4'-DIMETHYL-ETHER	--

Chemical	Dosage
ALLAMDIN	--
TEPHROSIN	--
P-COUMARIC-ACID	--
CINCHOPHYLLINE	--
VALTRATE	--
PISIFERIC-ACID	--
DI-P-COUMAROYL-METHANE	--
12ALPHA-HYDROXYAMORSTATIN	--
KOENOLINE	--
IBOGAMINE	--
MAQUIROSIDE-A	--
XANTHOTOXOL	--
SCHKUHRIN-II	--
RUBROFUSARIN	--
CANAVANINE	--
SCOPOLETIN	--
HYDROQUINONE	--
AKAGERINE	--
NORERYTHROSTACHAMINE	--
RUTAMARIN	--
DEHYDROAILANTHION	--
DIOSPYRIN	--
QUADRIGENIN	--
LYCORINE	--
CITRAL	--
LYCORICIDINE	--
ERYSOLIN	--

Chemical	Dosage
ABRIN	--
SPICATIN	--
(-)-KURARINONE	--
FLOSSONOL	--
PLUMBAGIN	--
DIFERULOYL-METHANE	--
BALIOSPERMIN	--
INOTODIOL	--
GRAMINILIATRIN	--
PTEROPODINE	--
BRUCEANIC-ACID-D	--
HARMALOL	--
4-METHYLTHIOCANTHIN-6-ONE	--
SERGEOLIDE	--
CRYPTOPLEURINE	--
CANTALASAPONIN-1	--
HYMENOFLOLIN	--
EUPAFORMOLOCTONE	--
ALATOLIDE	--
CULARIDINE	--
ISODOMEDONE	--
FARINOSIN	--
(+)-SYRINGARESINOL	--
ATALAPHILLININE	--
3-(3,3-DIMETHYLALLYL)-5-(3-ACETYL-2,4-DIHYDROXY-5-METHYL-6-METHOXYBENZYL)- PHLORACETOPHENONE	--
COCLAURINE	--
GLABRIDIN	--

Chemical	Dosage
AESCULETIN	--
HIYODORILACTONE-A	--
LEACHIANONE-A	--
TRICHOKAURIN	--
DATISCACIN	--
AZELAIC-ACID	--
ISOPSYCHOTRIDINE	--
GABUNAMINE	--
PODOLIDE	--
GNIDITRIN	--
BERBERINE	--
PTEROSTILBENE	--
BUDLEIN-A	--
HARMANE	--
ERIOFLORIN	--
5,7,4'-HYDROXY-6-METHOXYFLAVONE	--
SIPHONODIN	--
CUCURBITACIN	--
EUPAFORMOSANIN	--
ALLAMANDICIN	--
OXOUSHINSUNINE	--
XANTHOMICROL	--
FASTIGILIN-BC	--
DESACETYLEUPASSERIN	--
11-DEOXOCUCURBITACIN-I	--
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-3-BETA-CAFFEATE	--
GNIDICIN	--

Chemical	Dosage
KAEMPFEROL	--
(-)-ARCTIGENIN	--
EDULEINE	--
(-)-EPIGALLOCATECHIN-GALLATE	--
HOLACANTHONE	--
EUPACHLORIN-ACETATE	--
NIVEUSIN	--
CUCURBITACIN-O	--
CHAMISSONIN-DEACETATE	--
P-METHOXYCINNAMIC-ACID-ETHYL-ESTER	--
EUPATORIN	--
ARCTIGENIN	--
2-HYDROXY-METHYL-ANTHRAQUINONE	--
LUNASINE	--
LINALOOL	--
RHOEADINE	--
HARRISONIN	--
ERIOFLORIN-METHACRYLATE	--
SKULLCAPFLAVONE-II	--
ROBUSTAFLAVONE-4'-METHYL-ETHER	--
EUPARHOMBIN	--
LAUROTETANINE	--
FERULOYL-P-COUMAROYL-METHANE	--
ARCTOLIDE	--
VALEPOTRIATES	--
ELEGANIN	--
CINNAMOLIDE	--

Chemical	Dosage
ENCELIN	--
4'-DEMETHYLDEOXYPODOPHYLLUM	--
SCHKUHRIN-I	--
COROSSOLONE	--
8-PRENYLNARINGENIN	--
CALAXIN	--
ESCULETIN	--
NORCASSAMIDINE	--
CUCURBITACIN-Q	--
CHELIDONINE	--
ANNONIN-I	--
DEHYDROAILANTHINONE	--
ANONAINAINE	--
DIHYDROVALTRATE	--
CHRYSANTHEMIN-A	--
CITPRESSINE-I	--
CHRYSIN	--
SOLANINE	--
HELENIAMARIN	--
ERIOANIN	--
8-DEOXYLACTUCIN	--
CEPHALOMANNINE	--
(2S)-2'-METHOXYKURARINONE	--
EUPAROTIN-ACETATE	--
PANAXACOL	--
CYNAROPICRIN	--
15-HYDROXY-3-DEHYDRODESOXY-FRUITICIN	--

Chemical	Dosage
LARICRESINOL	--
BAKKENOLIDE-A	--
INFLEXIN	--
BRUCEANIC-ACID	--
NORDIHYDROGUAIARETIC-ACID	--
HARMALINE	--
EPIPOLYGODIAL	--
4-HYDROXYBENZOYL-ERYTHRITOL	--
CANIN	--
HYDROXYISOPATCHOULENONE	--
O-ACETYLCYPHOLOPHINE	--
CULARICINE	--
CHLOROHYSSOPIFOLIN-A	--
FALCARINDIOL	--
ANNOQUINONE-A	--
DEOXYELEPHANTOPIN	--
ANGELICIN	--
JATROPHAM	--
ATALAPHILLIDINE	--
BRUCEINE-D	(KB) IC50=2.82 uM
BRUCEINE-A	(KB) IC50=0.188 uM
BRUCEINE-B	(KB) IC50=0.115 uM
BRUCEINE-C	(KB) IC50=0.037 uM
BRUCEANTIN	(KB) IC50=0.015 uM