

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Antiviral

Chemical	Dosage
(+)-CATECHIN-7-O-GALLATE	EC50=10 ug/ml
(-)-EPICATECHIN	EC50=2 ug/ml
(-)-EPICATECHIN-3-O-GALLATE	EC50=1 ug/ml
(-)-EPIGALLOCATECHIN-GALLATE	--
(1'S)-1'-ACETOXYCHAVICOL-ACETATE	IC50=1.5 uM
1,2,3,4,6-PENTA-O-GALLOYL-GLUCOSE	--
1-O-GALLOYL-PEDUNCULAGIN	--
10-METHOXYCAMPTOTHECIN	--
13',118-BIAPIGENIN	IC50=10 uM
2,7-DIHYDROXYCADALENE	--
2-METHYLTRICOSANE-8-ONE-23-OL	--
2-O-CAFFEOYL-(+)-ALLOHYDROXYCITRIC-ACID	--
3,3'-DIMETHYLQUERCETIN	5 ug/ml
3,7'-DIMETHYLQUERCETIN	--
3-METHYLQUERCETIN	5 ug/ml
3-O-ALPHA-L-RHAMNOPYRANOSYL-(1,2)[BETA-D-GLUCOPYRANOSYL-(1,4)]-ALPHA-L-ARABINOPYRANOSYLOELANOLIC-ACID	ED50=25uM
3-O-TRANS-CAFFEOYL TORMENTIC-ACID	--
4',7-DIHYDROXY-3-METHOXY-5,6-DIMETHYLFLAVONE	--
4'5-DIHYDROXY-3',6,7-TRIMETHOXYFLAVONE	--
4,5-DIHYDROXY-3,7-DIMETHOXYFLAVONE	--
4-HYDROXY-3-METHOXYFLAVONE	--
5,4'-DIHYDROXY-3,7,3'-TRIMETHOXYFLAVONE	--
6-HYDROXYCRINAMINE	--
7-O-BETA-D-GLUCOPYRANOSYL-4'-HYDROXY-5-METHOXYISOFLAVONE	IC85=1mg/ml
7-O-METHYL-GLABRANINE	IC70=25 uM
8-METHOXY-PSORALEN	--
ACEMANNAN	--

Chemical	Dosage
ACERIN	--
ADENINE	--
AESCIN	--
AGATHISFLAVONE	--
AJOENE	--
ALGINIC-ACID	--
ALLICIN	--
ALLOAROMADENDROL-GLYCOSIDE	--
ALLYL-ALCOHOL	--
ALOE-EMODIN	--
ALOIN	--
ALPHA-APOPICROPODOPHYLLOTOXIN	IC50=0.25 uM
ALPHA-PELTATIN	IC70=1uM
ALPHA-PINENE	--
AMENTOFLAVONE	IC50=10 uM
ANAGALLINE	--
ANAGYRINE	--
ANGELICIN	--
ANHYDROPODOPHYLLOL	MIC=250 nM
ANHYDROSCHUMMIFICINE	EC50=0.06-0.4 uM
ANTHOCYANIN	--
ANTHOCYANINS	--
APIGENIN	20-54 ug/ml
APOGOSSYPOL	--
APPARACINE	--
APPARICINE	--
AR-CURCUMENE	IC50=1,750?

Chemical	Dosage
ARBORTRISTOSIDE	--
ARCTIGENIN	--
ARISTOLOCHIC-ACID	--
ARTEANNUAN	--
ARTEMISININ	--
ASCORBIC-ACID	1-5 g/day
ATALAPHILLIDINE	IC50=<1 ug/ml
ATALAPHILLININE	IC50=<1 ug/ml
ATROPINE	--
AURANTIIN	--
AXILLARIN	--
BAICALEIN	--
BAKUCHIOL	--
BENZYL-ISOTHIOCYANATE	--
BERBAMINE	--
BERBERASTINE	--
BERBERINE	--
BETA-AESGIN	--
BETA-BISABOLENE	IC50=1,800?
BETA-ESGIN	--
BETA-PELTATIN	IC78=1uM=400 ppb
BETA-RESERCYCLIC-ACID	--
BETA-SITOSTEROL	--
BETA-SITOSTEROL-3-O-BETA-D-GLUCOPYRANOSIDE	--
BETULIN	6.1 uM
BETULINIC-ACID	14.8 uM
BILOBETIN	--

Chemical	Dosage
BORNYL-ACETATE	--
BOROPINIC-ACID	--
BUDMUNCHIAMINES	--
CAFFEIC-ACID	IC50=62.5 ug/ml
CAFFEINE	--
CALCIUM-ELENOLATE	--
CAMPTOTHECIN	--
CANAVANINE	--
CARAN-3BETA-OL	--
CAROSINE	--
CASTANOSPERMINE	--
CASTELANONE	--
CATECHIN	--
CATECHOL	--
CELASTROZIDE	--
CHAPARRINONE	--
CHEBULAGIC-ACID	--
CHEBULINIC-ACID	--
CHELERYTHRINE	--
CHELIDONINE	--
CHICORIC-ACID	IC50=125 ug/ml
CHLORINE	--
CHLOROGENIC-ACID	--
CHLOROGENIC-ACID-BUTYL-ESTER	--
CHRYSIN	40-75 ug/ml
CHRYSOERIOL	--
CHRYSOSPLENETIN	--

Chemical	Dosage
CHRYSOSPENOL-B	--
CHRYSOSPENOL-C	--
CHRYSOSPENOL-D	--
CICHORIC-ACID	IC50=125 ug/ml
CINCHONAIN-IIB	--
CINCHONAIN-III-B	--
CINCHONIDINE	--
CINNAMALDEHYDE	--
CINNAMTANNIN-A-I	--
CINNAMTANNIN-B-1	--
CINNAMTANNIN-B-2	--
CITPRESSINE-I	IC50=<1 ug/ml
CITRAL	--
CITRUSININE	IC50=<1 ug/ml
CODEINE	--
COLCHAMINE	--
CORIARIIN-A	EC50=0.038 ug/ml
CRINAMINE	--
CRYPTOPLEURINE	--
CURCUMIN	IC50=5.4 uM
CYANIDOL	--
CYANIN	--
CYCLAMIN-A	--
D-GLUCOSAMINE	--
DAIDZEIN	--
DAMMARADIENOL	--
DAMMARARNEDIOL-II	--

Chemical	Dosage
DAMMARENOLIC-ACID	--
DEOXYARTEMISININ	--
DEOXYPODOPHYLLOTOXIN	MIC=38 nM
DEOXYPODOPHYLLOTOXIN	IC50=0.025 uM
DESXYPODOPHYLLOTOXIN	IC84=1 uM
DIALLYL-DISULFIDE	--
DIALLYL-TRISULFIDE	--
DIANTHIN-30	100 ug/ml
DIANTHIN-32	100 ug/ml
DICTAMNINE	--
DIGITOXIN	--
DIHYDROANHYDROPODORHIZOL	--
DIHYDROFISSETIN	--
DIOSMETIN	--
DIPENTENE	--
DISOMETIN	--
ECHINACOSIDE	--
EICHLERIANIC-ACID	--
ELLAGIC-ACID	--
EMETINE	--
EMODIN	ED50=1.1 ug/ml
EMODIN	EC50=1.1
EMODIN-BIANTHRONE	EC50=0.6
EMODIN-BIANTHRONE	ED50=0.6 ug/ml
ENT-CLERODANE	--
EPHEDRINE	--
EPICATECHIN	--

Chemical	Dosage
EPICATECHIN-GALLATE-TETRAMER	EC50=0.14 ug/ml
EPICUBEBOL-GLYCOSIDE	--
EPILUPEOL	--
EPILUPEOL-ACETATE	--
ERGOSTEROL	--
ERYSOLIN	--
ESCIN	--
ETOPOSIDE	--
EUGENIIN	--
EUGENOL	IC50=16.2-25.6 ug/ml
EUSCAFIC-ACID-ESTER-GLUCOSIDE	ED50=25 uM
FAGARONINE	--
FENUGREEKINE	--
FERULIC-ACID	--
FISETIN	--
FLACCIDIN-B	--
FORMALDEHYDE	--
FUSTIN	--
GALANGIN	--
GALLIC-ACID	--
GALLOYL-GERANIIN	--
GAMBIRIIN-A1	--
GAMBIRIIN-B3	--
GENISTEIN	--
GENTISIC-ACID	--
GERANIAL	IC50=16 uM
GERANIIN	EC50=0.093 ug/ml

Chemical	Dosage
GIGANTEASIDE	--
GINKGETIN	--
GITOXIN	--
GLABRANIN	IC70=25 uM
GLAUCARUBOLONE	--
GLYCOSYL-7-O-LUTEOLIN	--
GLYCYCOUMARIN	20 ug/ml
GLYCYRRHETIC-ACID	--
GLYCYRRHETINIC-ACID	--
GLYCYRRHISOFLAVONE	EC50=>10 ug/ml
GLYCYRRHISOFLAVONE	20 ug/ml
GLYCYRRHIZIC-ACID	--
GLYCYRRHIZIN	8 mM
GOSSYPOL	--
GYMNEMIC-ACID	--
GYMNEMIC-ACID-A	--
GYMNEMIC-ACID-B	--
HAEMANTHAMINE	--
HAINANOLIDE	--
HARMINE	--
HEDEROCOSIDE-C	--
HENTRIACONTINYLTRIACONTANOATE	--
HESPERETIN	--
HESPERIDIN	--
HESPERITIN	--
HINOKIFLAVONE	--
HOMATROPINE	--

Chemical	Dosage
HYDROXYDAMMARENONE-I	--
HYDROXYHOPANONE	--
HYDROXYOLEANOLIC-LACTONE	--
HYOSCYAMINE	--
HYPERICIN	EC50=0.8
HYPERICIN	5 ug/ml (with UV)
HYPERIN	--
HYPEROSIDE	--
IODINE	--
ISOBORNEOL	600 ppm
ISOFOQUIEROL	--
ISOLICOFLAVONOL	20 ug/ml
ISOLIQUIRITIGENIN	--
ISOQUERCETIN	--
ISOSCUTELLAREIN	--
JUGLONE	--
KAEMPFEROL	23-92 ug/ml
KAEMPFEROL-3-O-GLUCOSIDE	--
LANATOSIDE-A	--
LANATOSIDE-B	--
LAPACHOL	--
LAURIC-ACID	--
LICOCHALCONE-A	20 ug/ml
LICOPYRANOCOUMARIN	EC50=>10 ug/ml
LIGNANS	--
LIGNIN	--
LIMONENE	--

Chemical	Dosage
LINALOOL	--
LITHIUM	--
LUPEOL	--
LUTEOLIN	11-23 ug/ml
LUTEOLIN-7-GLUCOSIDE	--
LYCORINE	--
MANGIFERIN	--
MASLINIC-ACID	IC100=18 ug/ml
METHYL-GALLATE	--
MORIN	--
MYRICETIN	--
N-DEMETHYLRHITUKINE-ACETATE	EC50=100 uM
NARCOTINE	--
NARINGENIN	IC50=15 ug/ml
NARINGIN	--
NEPHRITIC	--
NERYL-ACETATE	--
NONACOSANE	--
OCTACOSANOL	--
OENOTHEIN-B	--
OLEANOLIC-ACID	EC50=1.7 ug/ml
OLEANOLIC-ACID	IC50=21.8 ug/ml
OPC	--
OPCS	--
OUABAIN	--
P-CYMENE	--
PACHYPODOL	--

Chemical	Dosage
PAPAVERINE	--
PELARGONIDIN	--
PELTATINE	--
PENDULETIN	--
PENTAGALLOYL-GLUCOSE	--
PERIVINE	--
PHENOL	--
PHYLLMYCIN-B	IC50=3.5 uM
PICROPODOPHYLLOTOXIN	(weak)
PODOPHYLLOTOXIN	IC88=1 uM
POLYDATIN	--
POLYGONIN	--
POLYPHENOLS	--
PRETAZETTINE	--
PROANTHOCYANIDINS	--
PROCYANIDIN	--
PROCYANIDIN-A-2	--
PROCYANIDINS	--
PROSCILLARIDIN-A	--
PROTOANEMONIN	--
PROTocatechuic-acid	--
PRUNELLIN	--
PSEUDOHYPERICIN	--
PSORALEN	--
QUERCETAGITRIN	--
QUERCETIN	IC50=10 uM
QUERCETIN	48-150 ug/ml

Chemical	Dosage
QUERCETIN-3,3'-DIMETHYLETHER	--
QUERCETIN-3-METHYL-ETHER	--
QUERCETIN-3-O-METHYL-ETHER	--
QUERCIMERITRIN	--
QUERCITRIN	--
QUINOVIC-ACID-GYLCOSIDE	--
RHEIN	ED50=0.61 ug/ml
RHEIN	EC50=1.1
RICIN	--
ROSMARINIC-ACID	EC50=40 ug/ml
RUGOSIN-D	EC50=0.034 ug/ml
RUTIN	--
SAIKOSAPONIN-A	--
SANGUINARINE	--
SCILLARENIN	--
SCOPADULCIC-ACID-B	--
SCOPADULIN	--
SCOPOLAMINE	--
SCUTELLAREIN	IC50=10 uM
SHOREIC-ACID	--
SILYMARIN	--
STEMODIN	0.02 mg/ml
STIGMASTEROL	--
STROPHANTHIN-G	--
SUBAPHYLLIN	--
SULFORAPHAN	--
TANNIC-ACID	--

Chemical	Dosage
TANNIN	--
TASPINE	--
TAXIFOLIN	--
TELLIMAGRANIN-I	--
TERNATIN	--
TETRAHYDROCANNABINOL	--
TETRATRIACONTINANE	--
THEAFLAVIN	--
THEBAINE	--
THEOPHYLLINE	--
THIARRUBRINE-A	--
TORMENTIC-ACID-ESTER-GLUCOSIDE	ED50=25uM
TRIMETHYLQUERCITOL	--
URSOLIC-ACID	IC85=18 ug/ml
URSONIC-ACID	--
VANILLIN	--
WITHAFERIN	--
WITHAFERIN-A	--
XANTHONES	--