

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Antioxidant

Chemical	Dosage
(+)-CATECHIN	--
(+)-GALLOCATECHIN	--
(+)-SYRINGARESINOL	EC50=21-28 ug/ml
(+)-SYRINGARESINOL	--
(-)-BISPARTHENOLIDINE	30-60 ug/g
(-)-BORNYL-CAFFEATE	--
(-)-BORNYL-FERULATE	--
(-)-BORNYL-P-COUMARATE	--
(-)-EPICATECHIN	IC50=6.3 ug/ml
(-)-EPICATECHIN-3-O-GALLATE	IC50=0.16 ug/ml
(-)-EPIGALLOCATECHIN	IC50=1.4 ug/ml
(-)-EPIGALLOCATECHIN	IC50=2.3 uM
(-)-EPIGALLOCATECHIN-3-O-GALLATE	IC50=0.14 ug/ml
(-)-EPIGALLOCATECHIN-GALLATE	>10 x tocopherol
(-)-HYDROXYJASMONIC-ACID	30 mM
(1'S)-1'-ACETOXYCHAVICOL-ACETATE	--
(2R)-(12Z,15Z)-2-HYDROXY-4-OXOHENEICOSA-12,15-DIEN-1-YL-ACETATE	--
(7R,10R)-CAROTA-1,4-DIENALDEHYDE	--
1,2,6-TRI-O-GALLOYL-BETA-D-GLUCOSE	--
1,7-BIS(3,4-DIHYDROXYPHENYL)HEPTA-4E,6E-DIEN-3-ONE	>tocopherol
1-O-(2,3,4-TRIHYDROXY-3-METHYL)-BUTYL-6-O-FERULOYL-BETA-D-GLUCOPYRANOSIDE	30 mM
2,3,7-TRIHYDROXY-5-(3,4-DIHYDROXY-E-STYRYL)-6,7,8,9-TETRAHYDRO-5H-BENZOCYCLOHEPTENE	#NAME?
2-(3',4-DIPHENYL)-ETHANOL	--
2-CAFFELOYL-OXY-3-{2-(4-HYDROXYBENZYL)-4,5-DIHYDROXY}PHENYLPROPIONIC-ACID	--
3',4',5,7-TETRAHYDROXYFLAVONE	--
3,3'-DIMETHYLELLAGIC-ACID	--
3,4,5-TRI-O-CAFFELOYLQUINIC-ACID	--

Chemical	Dosage
3,4-DICAFFEOYL-QUINIC-ACID	--
3,4-DIHYDROXYBENZOATE	--
3,4-HYDROXYCINNAMIC-ACID	--
3,5,8,3',4'-PENTAHYDROXYFLAVONE	--
3,5-DI-O-CAFFEOYLQUINIC-ACID	10 uM
3,5-DICAFFEOYL-QUINIC-ACID	10 uM
3,7,8,2',5'-PENTAHYDROXYFLAVONE	--
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-23-CAFFEATE	--
3-BETA-23,28-TRIHYDROXY-12-OLEANENE-3-BETA-CAFFEATE	--
3-BETA-TRANS-(3,4-DIHYDROXYCINNAMOYLOXY)-20(29)-LUPEN-28-OIC-ACID	IC50=52-64 uM
3-BETA-TRANS-(3,4-DIHYDROXYCINNAMOYLOXY)-OLEAN-12-EN-28-OIC-ACID	IC50=52-64 uM
3-BETA-TRANS-(3,4-DIHYDROXYCINNAMOYLOXY)-OLEAN-18-EN-28-OIC-ACID	IC50=52-64 uM
3-HYDROXY-FLAVONE	--
3-O-CAFFEOYLQUINIC-ACID	--
4,5-DI-O-CAFFEOYLQUINIC-ACID	--
4-ACETYLARABINOSYL-ELLAGIC-ACID	ca 1/2 quercetin
4-ACETYLYXYLOSYL-ELLAGIC-ACID	ca 1/2 quercetin
4-ALLYL-PYROCATECHOL	--
4-AMINO-4-CARBOXYCHROMAN-2-ONE	--
4-ARABINOSYL-ELLAGIC-ACID	ca 1/3 quercetin
4-HYDROXY-TRITRIACONTANE-16,18-DIONE	#NAME?
4-KETOPINORESINOL	EC50=48-57 ug/ml
4-O-CAFFEOYLQUINIC-ACID	--
4-TERPINEOL	--
5,7-DIHYDROXYCOUMARIN-7-METHYL-ETHER	IC50=15.5-22.7 uM
5,8-DIHYDROXYBENZOPYRANONE	--
5-HYDROXY-8-O-BETA-D-GLUCOPYRANOSYL-BENZOPYRANONE	--

Chemical	Dosage
5-O-BETA-D-GLUCOPYRANOSYL-3-1-(4-PHENYL)-DECANE	--
5-O-CAFFELOYLQUINIC-ACID	--
6'-O-ACETYL-DAIDZIN	8.2 uM
6'-O-ACETYL-GENISTIN	10.6 uM
6,7,4'-TRIHYDROXYISOFLAVAN	IC95=1.5uM
6,7,4'-TRIHYDROXYISOFLAVANONE	IC95=8uM
6,7,4'-TRIHYDROXYISOFLAVONE	IC95=12uM
6,7-DI-4'-METHOXYISOFLAVAN	ED95=6 uM
6,7-DI-4'-METHOXYISOFLAVANONE	ED95=6 uM
6,7-DI-4'-METHOXYISOFLAVONE	ED95=7 uM
6,7-DIHYDROXY-4'-METHOXYISOFLAVAN	ED95=1uM
6,7-DIHYDROXY-4'-METHOXYISOFLAVANONE	ED95=6uM
6,7-DIHYDROXY-4'-METHOXYISOFLAVONE	ED95=7uM
6,7-DIHYDROXYCOUMARIN	--
6-GINGERDIOL	--
6-GINGEROL	--
6-SHOGAOL	--
7,8-DIHYDROXYFLAVONE	IC50=0.64 mM
7-N-BUTOXY-3,2',5'-TRIHYDROXYFLAVONE	--
7-[3-(3,4-DIHYDROXY-4-HYDROXYMETHYL-TETRAHYDRO-FURAN-2-YLOXY)-4,5-DIHYDROXY-6-HYDROXYMETHYL-TETRAHYDRO-PYRAN-2-YLOXY]...	250 ug/ml
ACANTHOIC-ACID	--
ACETOXPINOESINOL	--
ACETYL-EUGENOL	EC50=100 ul/l
ACETYLCURCUMIN	#NAME?
AESCIN	--
AESCULIN	--
ALANINE	--

Chemical	Dosage
ALANTOLACTONE	--
ALIZARIN	--
ALLANTOIN	--
ALLICIN	1.8 ug/ml
ALLIIN	--
ALLIXIN	--
ALLYL-MERCAPTAN	--
ALPHA-BOSWELLIC-ACID	--
ALPHA-LIPOIC-ACID	--
ALPHA-TOCOPHEROL	IC34=10 uM
ALPHA-TOCOPHEROL	5 x quercetin
ALPHA-TOCOTRIENOL	--
AMENTOFLAVONE	IC10.6=62.5 ug/ml
AMPELOPSIN	--
ANDROGRAPHOLIDE	--
ANDROGRAPHOSIDE	--
ANETHOLE	--
ANISOLE	--
ANTHOCYANIDINS	--
ANTHOCYANINS	--
APIGENIN	1.5 x Vit. E
APIGENIN	IC28.5=62.5 ug/ml
APOCYNIN	--
A POMORPHINE	IC50=35-37 ug/ml
ARENARIOSIDE	ED50=1.8 uM
ASCORBIC-ACID	100 ppm
ASCORBYL-PALMITATE	--

Chemical	Dosage
ASPALATHIN	>ferulic acid
ATRACTYLON	--
AUCUBIN	--
BACOSIDE-A	--
BAICALIN	--
BALLOTETROSIDE	ED50=7.5 uM
BERBAMINE	--
BETA-AMYRIN-ACETATE	--
BETA-CAROTENE	--
BETA-D-TAGATOSE	--
BETA-SITOSTEROL	IC44=10 uM
BETANIDIN	--
BETANIN	--
BILOBALIDE	IC28= 62.5 ug/ml
BILOBALIDE	0.15 ug/ml
BILOBETIN	IC34.3= 62.5 ug/ml
BIS-DEMETHOXYCURCUMIN	#NAME?
BISEPOXYLIGNAN	--
BISMURRAYAFOLINE-E	>tocopherol
BIXIN	30-60 ug/g
BOLDINE	IC50=17-33 ug/ml
BOSWELLIC-ACID	--
BREVIFOLIN	--
BROUSSOAUURONE-A	--
BROUSSOCHALCONE-A	--
BROUSSOFLAVAN-A	--
BROUSSOFLAVONOL-F	--

Chemical	Dosage
BROUSSOFLAVONOL-G	--
BRUCINE	--
BUPLUERAN-2IIC	--
BUTEIN	1,000 uM
CAFFEIC-ACID	50 uM
CAFFEIC-ACID	30 mM
CAFFEIC-ACID	IC57=30 ppm
CAFFEIC-ACID	1/2 BHA
CAFFEIC-ACID	1/3 quercetin
CAFFEIC-ACID	1.3 x Vit. E
CAFFEINE	--
CAFFEOYL-L-MALIC-ACID	ED50=9.5 uM
CAMPESTEROL	IC37=10 uM
CAMPESTERYL-FERULATE	--
CAMPHENE	--
CAPSAICIN	--
CAPSAICINOL	--
CAPSANTHIN	--
CARNOSIC-ACID	IC50=0.81 uM
CARNOSOL	--
CARNOSOLIC-ACID	--
CARVACROL	--
CATALASE	--
CATECHIN	2.4 x Vit. E
CATECHIN	IC50=0.19 uM
CATECHOL	--
CELESTROL	--

Chemical	Dosage
CEPHARANTHINE	IC50=25 uM
CHAMAZULENE	--
CHLOROGENIC-ACID	IC53=200 ppm
CHLOROGENIC-ACID	IC50=54.2 uM
CHLOROGENIC-ACID	IC80=12 uM
CHLOROPHORIN	--
CHLOROPHYLL	--
CHOLESTEROL	IC43=10 uM
CHRYSOERIOL	--
CIMICIFUGIC-ACID-A	IC50=24-32 uM
CIMICIFUGIC-ACID-B	IC50=20-26 uM
CIMICIFUGIC-ACID-F	IC50=17-24 uM
CIMIRACEMATE-A	IC50=18-23 uM
CIMIRACEMATE-B	IC50=16-23 uM
CIS-10-HEPTADECENOIC-ACID	IC84=60
CIS-10-NONADECENOIC-ACID	IC84=60
CIS-10-PENTADECENOIC-ACID	IC82=60
CIS-11,14-EICOSADIENOIC-ACID	IC64=60
CIS-11-EICOSENOIC-ACID	IC99=60
CIS-11-VACCENIC-ACID	IC92=60
CIS-13,16,19-DOCOSATRIENOIC-ACID	IC76=60
CIS-13,16-DOCOSADIENOIC-ACID	IC78=60
CIS-13-ERUCIC-ACID	IC80=60
CIS-15-NERVONIC-ACID	IC25=60
CIS-8,11,14-EICOSATRIENOIC-ACID	IC58=60
CIS-9,12,15-LINOLENIC-ACID	IC76=60
CIS-9,12-LINOLEIC-ACID	IC77=60

Chemical	Dosage
CIS-9-OLEIC-ACID	IC81=60
CIS-9-PALMITOLEIC-ACID	IC80=60
CITRAL	--
CITRIFOLININ-B	IC8=30 uM
CLAUSENAMIDE	--
CLEOMISCOSIN-C	--
COCLAURINE	IC50=>100ug/ml
CONIFERYL-ALCOHOL	EC50=13-18 ug/ml
CORILAGIN	--
CORYPALMINE	IC50=49->100 ug/ml
CROCETIN	--
CURCUMIN	IC50=500 uM
CURCUMIN	1/3 BHA
CYANIDIN	ID50=3.5-22 uM
CYANIDIN	4.4 x Vit. E
CYANIDIN-3,5-DIGLYCOSIDE	--
CYANIDIN-3-O-BETA-D-GLUCOSIDE	--
CYANIDIN-3-O-GALACTOSIDE	--
CYANIDIN-3-O-GLUCOSIDE	--
CYANIDIN-3-RUTINOSIDE	--
CYANIDOL	--
CYSTEINE	--
DAIDZEIN	1/4 quercetin
DAIDZIN	--
DEHYDROCURDIONE	--
DEHYDROLEUCODINE	--
DELPHINIDIN	ID50=0.7-2.4 uM

Chemical	Dosage
DELPHINIDIN-3-GLUCOSIDE	--
DELPHINIDIN-3-O-BETA-D-GALACTOSIDE	--
DELPHINIDIN-3-O-BETA-D-GLUCOSIDE	--
DELPHINIDIN-CHLORIDE	--
DELTA-5-AVENASTEROL	--
DELTA-7-AVENASTEROL	--
DELTA-TOCOPHEROL	IC46=10 uM
DELTA-TOCOTRIENOL	--
DEMETHYLTEXASIN	--
DIALLYL-DISULFIDE	--
DIALLYL-HEPTASULFIDE	--
DIALLYL-HEXASULFIDE	--
DIALLYL-PENTASULFIDE	--
DIALLYL-SULFIDE	--
DIALLYL-TETRASULFIDE	--
DIALLYL-TRISULFIDE	--
DICAFFEOYLQUINIC-ACID	--
DIHYDROQUERCETIN	--
DIMETHYL-SULFOXIDE	--
DIOSCORIN	--
DIOSMIN	--
DL-CYSTEINE	--
DODECYL-GALLATE	--
ELEUTHEROCCAL	--
ELLAGIC-ACID	>50 x tocopherol
ELLAGIC-ACID	IC98=30 ppm
ELLAGIC-ACID	2/3 quercetin

Chemical	Dosage
ELLAGITANNIN	--
EMBELIN	--
EPICATECHIN	IC50=6.3 ug/ml
EPICATECHIN	IC50=10.2 uM
EPICATECHIN	2.5 x Vit. E
EPICATECHIN	3/4 quercetin
EPICATECHIN-3-O-GALLATE	IC50=0.16 ug/ml
EPICATECHIN-GALLATE	>10 x tocopherol
EPIGALLOCATECHIN	IC50=1.4 ug/ml
EPIGALLOCATECHIN-3-O-GALLATE	IC50=0.14 ug/ml
EPIROSMANAL	--
ERIODICTYOL	--
ESCIN	--
ESCULIN	--
ETHYL-BETA-D-GLUCOPYRANOSYL-TUBERONATE	30 mM
ETHYL-GALLATE	--
EUCHRESTINE-B	>tocopherol
EUGENOL	IC65=30 ppm
EUGENOL	10 uM
EUPATRIOL	--
FERULIC-ACID	1/3 quercetin
FERULIC-ACID	1/2 BHA
FERULIC-ACID	IC51=200 ppm
FERULIC-ACID	3,000 uM
FERULIC-ACID	EC50=9-15 ug/ml
FERULOYLHISTAMINE	--
FISETIN	--

Chemical	Dosage
FORSYTHOSIDE-B	ED50=1 uM
FRAXIN	--
FUCOXANTHIN	--
FUMARIC-ACID	--
FURANEOL	--
GALANGIN	--
GALLIC-ACID	2/3 BHA
GALLIC-ACID	IC44=33 ppm
GALLIC-ACID	7 x quercetin
GALLIC-ACID-4-O-BETA-D-GLUCOPYRANOSIDE	--
GAMMA-ORYZANOL	--
GAMMA-TERPINENE	--
GAMMA-TOCOPHEROL	10-15 ug/g
GAMMA-TOCOPHEROL	IC43=10 uM
GAMMA-TOCOTRIENOL	--
GARCINOL	(1/2 tocopherol)
GARDENOSIDE	--
GENIPOSIDE	--
GENIPOSIDIC-ACID	IC50=400 uM
GENISTEIN	--
GENISTIN	--
GENTISIC-ACID	1/3 BHA
GERANIIN	--
GINGEROL	--
GINKGETIN	IC19=62.5 ug/ml
GINKGOLIDE	--
GINKGOLIDE-A	IC29=62.5 ug/ml

Chemical	Dosage
GINKGOLIDE-A	0.05 ug/ml
GINKGOLIDE-B	IC37=62.5 ug/ml
GINKGOLIDE-B	0.05 ug/ml
GINKGOLIDE-C	IC26=62.5 ug/ml
GINKGOLIDE-J	IC34=62.5 ug/ml
GINKGOLIDES	--
GLABRIDIN	--
GLUTATHIONE	--
GLYCITEIN	--
GLYCITEIN-7-0-GLUCOSIDE	--
GLYCYRRHETIC-ACID	--
GLYCYRRHETINIC-ACID	--
GLYCYRRHIZIN	--
GOSSYPETIN	--
GOSSYPIN	IC50=1.63 mM
GOSSYPOL	--
HAMAMELITANNIN	--
HEPTADECANOIC-ACID	IC48=60
HEPTASULFIDE	--
HESPERIDIN	IC50=8 ppm
HESPERITIN	--
HETERODENDRIN	--
HEXASULFIDE	--
HIBISCUSIDE	--
HISPIDULIN	ED=uM
HISTIDINE	--
HONOKIOL	1000 x a-tocopherol

Chemical	Dosage
HUMULONE	--
HYDROQUINONE	--
HYDROXY-CHAVICOL	--
HYPERIN	--
HYPEROSIDE	IC50=4.6 uM
IONOL	--
ISOCHLOROGENIC-ACID	--
ISOEUGENOL	IC79=30 ppm
ISOFERULIC-ACID	IC50=189-193 uM
ISOFRAXIN	--
ISOLIQUIRITIGENIN	--
ISOMENTHONE	--
ISOORIENTIN	--
ISOPILINE	IC50=24-35ug/ml
ISOQUERCITRIN	IC50=9.0 uM
ISOQUERCITRIN	1/4 quercetin
ISORHAMNETIN	--
ISORHAMNETIN-3,7-DI-O-BETA-D-GLUCOPYRANOSIDE	--
ISORHAMNETIN-DIGLUCOSIDE	--
ISORHYNCHOPHYLLINE	--
ISOROSMANOL	--
ISOTERCHEBIN	--
ISOTHYMONIN	10 uM
ISOTHYMUSIN	10 uM
ISOTORACHRYSONE	IC50=1.64 uM
ISOVITEXIN	>BHA
ISOVITEXIN	#NAME?

Chemical	Dosage
KAEMPFEROL	IC50=40 uM
KAEMPFEROL	IC50=1.2 ug/ml
KAEMPFEROL	3/4 quercetin
KAEMPFEROL-3-O-ALPHA-ARABINOPYRANOSIDE-2"-GALLATE	--
KAEMPFEROL-3-O-ALPHA-L-RHAMNOPYRANOSYL-(1->6)-BETA-D-GLUCOPYRANOSIDE	IC4.5=30 uM
KAEMPFEROL-3-O-BETA-D-GLUCOPYRANOSYL-(1->2)-[ALPHA-L-RHAMNOPYRANOSYL-(1->6)-BETA-D-GALACTOPYRANOSIDE	IC29=30 uM
KAEMPFEROL-3-O-GALACTOSIDE	ED=uM
KAEMPFEROL-7-O-RHAMNOSIDE	1/5 quercetin
L-ALANINE	--
L-GLUTATHIONE	--
LABIATIC-ACID	--
LAUDANOSOLINE	IC50=48-63 uM
LAURIC-ACID	IC71=60
LAURYL-GALLATE	--
LEUCOANTHOCYANIN	--
LIGNANS	--
LIGNIN	--
LINALYL-ACETATE	400 ppm
LUPEOL	25 mg/kg/day
LUPULONE	--
LUTEIN	--
LUTEOLIN	IC50=10 uM
LUTEOLIN-3'-O-(3"-O-ACETYL)-BETA-D-GLUCURONIDE	IC50=ca 25 ppm
LUTEOLIN-3'-O-(4"-O-ACETYL)-BETA-D-GLUCURONIDE	IC50=14 ppm
LUTEOLIN-4'-O-GLUCOSIDE	22.59 U/ml
LUTEOLIN-7-GLUCURONIDE	--
LUTEOLIN-7-O-BETA-GLUCOPYRANOSIDE	--

Chemical	Dosage
LUTEOLIN-7-O-BETA-GLUCOSIDE	--
LYCOPENE	--
M-HYDROXYBENZALDEHYDE	--
MACHILIN-D	IC50=2.9 uM
MAGNOLOL	1,000 x a-tocopherol
MAHANIMBINE	33 ug/ml
MAHANINE	>tocopherol
MAHIMBICINE	--
MALONYLDAIDZIN	--
MALONYLGENISTIN	--
MALTOL	--
MALVIDIN	--
MALVIDIN-3-GALACTOSIDE	--
MALVIDIN-3-O-ALPHA-L-GALACTOSIDE	--
MALVIN	--
MANGANESE	--
MANGIFERIN	--
MANNITOL	--
MARTYNOSIDE	--
MAYTENOLIDE	EC50=42-50 ug/ml
MELANIN	--
MELATONIN	--
METHIONINE	--
METHYL-3,4-DIHYDROXYBENZOATE	--
METHYL-CAFFEATE	--
METHYL-CARNOSATE	--
METHYL-EUGENOL	EC50=100 ul/l

Chemical	Dosage
METHYL-GALLATE	--
METHYL-P-HYDROXYBENZOATE	--
METHYL-SALICYLATE	--
METHYLHYDROQUINONE	--
MORELLOFLAVONE	ED=uM
MORIN	IC50=1.73mM
MYRCENE	--
MYRICETIN	1.4 uM
MYRICETIN	IC99=200 ppm
MYRICETIN	IC50=3.9 ug/ml
MYRICETIN-3-O-ALPHA-L-ARABINOPYRANOSIDE	--
MYRICITRIN	--
MYRIGALONE-B	--
MYRISTIC-ACID	IC71=60
MYRISTICIN	25-100 mg/kg/orl
MYRISTOLEIC-ACID	IC60=60
N,N'-[2,2'-(5,5'-DIHYDROXY-4,4'-BI-1H-INDOL-3,3'-YL)-DIETHYL]-DI-P-COUMARAMIDE	--
N,N'-[2,2'-(5,5'-DIHYDROXY-4,4'-BI-1H-INDOL-3,3'-YL)-DIETHYL]-DIFERULAMIDE	--
N-ACETYLCYSTEINE	--
N-ALPHA-(1-DEOXY-D-FRUCTOS-1-YL)-L-ARGININE	IC37=10 uM/l
N-ALPHA-(1-DEOXY-D-FRUCTOS-1-YL)-L-ARGININE	#NAME?
N-ALPHA-(1-DEOXY-D-FRUCTOS-1-YL)-L-ARGININE	IC100=50 uM/l
N-CIS-FERULOLYTYRAMINE	--
N-FRUCTOSYL-ARGININE	--
N-FRUCTOSYL-GLUTAMATE	--
N-P-COUMAROYL-SEROTONIN	--
N-TRANS-FERULOLYTYRAMINE	--

Chemical	Dosage
N-TRITRIACONTANE-16,18-DIONE	#NAME?
N-TRITRIACONTANE-18,18-DIONE	--
N-[2-(5-(BETA-D-GLUCOSYLOXY)-1H-INDOL-3-YL)-ETHYL]-FERULAMIDE	--
N-[2-(5-(BETA-D-GLUCOSYLOXY)-1H-INDOL-3-YL)-ETHYL]-P-COUMARAMIDE	--
NARINGENIN	7 x quercetin
NARINGIN	--
NASUNIN	--
NEOANDROGRAPHOLIDE	--
NEOHESPERIDIN	--
NEOHESPERIDIN	7 x quercetin
NORBIXIN	--
NORDIHYDROGUAIARETIC-ACID	5-100
NORDIHYDROGUAIARETIC-ACID	100-200 mg/kg
NORISOGUAIAICIN	--
NOTHOFAGIN	--
OCTYL-GALLATE	--
OLEANOLIC-ACID	--
OLEANOLIC-ACID	IC46=10 uM
OLEUROPEIN	IC49=10 uM
OPC	--
OPCS	--
ORIENTIN	--
OSAGIN	--
OTOBAIN	--
OXYACANTHINE	--
OXYRESVERATROL	IC50=3.3-4.3 uM
P-COUMARIC-ACID	IC24=30 ppm

Chemical	Dosage
P-COUMARIC-ACID	1/3 BHA
P-CYMENE-2,3-DIOL	--
P-CYMENE-2,3-DIOL-6,6'-DIMER	--
P-HYDROXY-BENZOIC-ACID	--
P-HYDROXYCINNAMIC-ACID	--
PALMITIC-ACID	IC40=60
PEDUNCULAGIN	--
PELARGONIDIN	ID50=85-456 uM
PENTA-O-GALLOYL-BETA-D-GLUCOSE	--
PENTADECANOIC-ACID	IC40=60
PENTASULFIDE	--
PEONIDIN-3-(CAFFEOYLSOPHOROSIDE)-5-GLUCOSIDE	--
PEONIDIN-3-O-BETA-D-GLUCOSIDE	--
PERSENONE-A	--
PERSENONE-B	--
PETUNIDIN-3-O-BETA-D-GALACTOSIDE	--
PETUNIDIN-3-O-BETA-D-GLUCOSIDE	--
PHENOL	--
PHENYL-GLUCOSIDE	--
PHLOROTANNIN	--
PHYLLIGENIN	--
PHYTIC-ACID	--
PICEATANNOL	--
PICEID	--
PINORESINOL	(> tocopherol)
PIPERINE	--
PLUMBAGIN	--

Chemical	Dosage
POLYDATIN	--
POLYPHENOLS	IC50=1.44 ug/ml
POMIFERIN	--
PROANTHOCYANIDINS	5 x Vit. E
PROANTHOCYANIDINS	>Vit E-succinate
PROCYANIDIN-A-2	--
PROCYANIDIN-B-2-3'-O-GALLATE	--
PROCYANIDIN-B-2-3,3'-DI-O-GALLATE	IC50=0.44 ug/ml
PROCYANIDIN-B-5-3,3'-DI-O-GALLATE	IC50=0.42 ug/ml
PROCYANIDIN-C-1-3,3',3''-TRI-O-GALLATE	IC50=0.62 ug/ml
PROCYANIDINS	--
PROPYL-GALLATE	>tocopherol
PROPYL-GALLATE	--
PROTocatechualdehyde	>tocopherol
PROTocatechuic-acid	1/2 BHT
PROTocatechuic-acid	2/3 quercetin
PROTocatechuic-acid	10 x alpha-tocopherol
PROTOPAVERINE	IC50=61 uM
PRUNUSOL	--
PTEROSTILBENE	--
PUERARIN	--
PUNICACORTEIN	--
PUNICALAGIN	IC50=2.3 uM
PURPUROGALLIN	--
PYCNOGENOL	--
PYROCATECHOL	--
PYROGALLOL	--

Chemical	Dosage
QUERCETAGENIN-7-O-GLUCOSIDE	--
QUERCETAGETIN	--
QUERCETIN	4.7 x Vit. E
QUERCETIN	ED50=2.3 uM
QUERCETIN	IC96=300 ppm
QUERCETIN	IC47=10 uM
QUERCETIN-3,4'-DIGLUCOSIDE	--
QUERCETIN-3-O-ALPHA-ARABINOPYRANOSIDE-2''-GALLATE	--
QUERCETIN-3-O-ALPHA-L-RHAMNOPYRANOSYL-(1->6)-BETA-D-GLUCOPYRANOSIDE	IC80=30 uM
QUERCETIN-3-O-BETA-D-GLUCOPYRANOSIDE	IC86=30 uM
QUERCETIN-3-O-BETA-D-GLUCOPYRANOSYL-(1-->6)-BETA-D-GLUCOPYRANOSIDE	--
QUERCETIN-3-O-BETA-D-GLUCOPYRANOSYL-(1->2)-ALPHA-L-RHAMNOPYRANOSYL-(1->6)-BETA-D-GALACOPYRANOSIDE	IC81=30 uM
QUERCETIN-4'-BETA-GLUCOSIDE	--
QUERCETIN-4'-GLUCOSYL-GALLATE	--
QUERCETIN-4'-O-BETA-D-GLUCOPYRANOSIDE-6''-GALLATE	--
QUERCITRIN	IC50=120 uM
RESORCINOL	--
RESVERATROL	IC50=2 mg/L
RESVERATROL	2 x Vit. E
RHAMNETIN	--
RHYNCHOPHYLLINE	--
RIBOFLAVIN	--
ROBINETIN	IC50=1.02mM
ROBININ	1/5 quercetin
ROSMADIAL	--
ROSMANOL	--
ROSMANOL-9-ETHYL-ETHER	--

Chemical	Dosage
ROSMARIDIPHENOL	--
ROSMARINIC-ACID	10 uM
ROSMARINIC-ACID	EC50=2.7 ug/ml
ROSMARIQUINONE	--
ROSMAROL	--
RUBROBRASSICIN	--
RUTIN	IC50=120 uM
RUTIN	IC28=30 ppm
RUTIN	IC54=10 uM
S-ALLYL-CYSTEINE-SULFOXIDE	--
S-ALLYL-L-CYSTEINE	--
S-ALLYLMERCAPTOCYSTEINE	--
S-METHYLMERCAPTOCYSTEINE	--
SALICYLIC-ACID	--
SALVIANOLIC-ACID-A	--
SALVIANOLIC-ACID-B	--
SANGUINARINE	IC50=10 uM
SAURURIN-A	IC50=8.5 uM
SCHIZANDRIN	--
SCIADOPITYSIN	IC37=0.5 ug/ml
SCOPOLETIN	--
SCUTELLAREIN	ED=uM
SCUTELLAREIN-7-O-GLUCURONIDE	ED=uM
SECOISOLARICIRESINOL	--
SELENIUM	100-200 (-400) ug/man/day
SESAMIN	IC50=58 uM
SESAMIN	IC33=2.5 ug/ml

Chemical	Dosage
SESAMINOL	(=tocopherol)
SESAMINOL-GOSSYPOL	--
SESAMOL	IC70=30 ppm
SESAMOL	IC50=<58 uM
SESAMOL	(> tocopherol)
SESAMOLIN	--
SESAMOLINOL	(> tocopherol)
SHIKIMIC-ACID	7 x quercetin
SILIBININ	--
SILYBIN	--
SILYMARIN	10 x tocopherol
SINAPIC-ACID	IC27=30 ppm
SPARTEINE	--
SPERMIDINE	--
SPERMINE	--
SPIRAEOSIDE	--
SQUALENE	--
STIGMASTEROL	IC33=10 uM
STRYCHNINE	--
SUCROSE	--
SULFORAPHANE	--
SUPEROXIDE-DISMUTASE	--
SYRIACUSIN-A	IC50=0.54 ug/ml
SYRIACUSIN-B	IC50=5.9 ug/ml
SYRIACUSIN-C	IC50=1.02 ug/ml
SYRINGALDEHYDE	--
SYRINGIC-ACID	1/3 BHA

Chemical	Dosage
SYRINGIC-ACID	IC39=30 ppm
TAMARIXETIN	IC50=1.5 ug/ml
TANGERETIN	--
TANNIC-ACID	IC56=30 ppm
TANNIN	1/3 quercetin
TANNIN	IC50=1.44 ug/ml
TAURINE	--
TAXIFOLIN	--
TELLIMAGRANIN	--
TERPINEN-4-OL	--
TERPINOLENE	--
TETRAGALLOYLQUINIC-ACID	--
TETRAHYDROCURCUMIN	2.5 x tocopherol
TETRANDRINE	--
TETRASULFIDE	--
THEAFLAVIN	--
THEARUBIGEN	--
THIOCTIC-ACID	--
THONNINGIANIN-A	--
THONNINGIANIN-B	--
THRACHRYSONE	--
THYMOL	100 ppm
THYMOQUINONE	--
TOCOPHEROL	IC95=650 uM
TOCOPHEROL	IC50=30 ug/ml
TOCOPHEROL	IC36=10 uM
TRANS-ANETHOLE	--

Chemical	Dosage
TRANS-FERULIC-ACID	--
TRANS-P-MENTH-8-EN-7-YL-CAFFEATE	--
TRIALLYLSULFIDE	--
TRICIN	--
TRIDECANOIC-ACID	IC85=60
TRIMETHYLAMINE	--
TRYPTOPHAN	125 ug/ml
TURMERIN	--
TURMERONOL-A	IC50=16 uM
TURMERONOL-B	IC50=9 uM
TYROSOL	--
UBIQUINOL	--
UBIQUINONE	--
UBIQUINONE-Q10	--
URSOLIC-ACID	IC50=10 uM
UVAOL	IC47=10 uM
VANILLIC-ACID	1/3 BHA
VANILLIC-ACID	IC21=30 ppm
VANILLIC-ACID-BETA-GLUCOSIDE	--
VANILLIN	#NAME?
VERBASCOSIDE	ED50=1 uM
VERBASCOSIDES	ED50=1 uM
VICENIN	--
VINYL-CAFFEATE	--
VIROLIN	IC50=4.3 uM
VITAMIN-E	IC95=650 uM
VITAMIN-E	IC50=300 ug/ml

Chemical	Dosage
VITEXIN	--
WEDELIC-ACID	--
WOGONIN	--