

A ACE-Inhibitor

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Dosage
(+)-CATECHIN	IC50=0.155 mM/l
(+)-CATECHIN	0.24 mg/ml rbt (weak activity)
(+)-GALLOCATECHIN	
(+)-TETRANDRINE	1 mM/
(-)-EPICATECHIN	IC50=0.216 mM/l
(-)-EPICATECHIN	0.5 mg/ml rbt (weak activity)
(-)-EPICATECHIN-3-O-GALLATE	ED50=0.08 mM/
(-)-EPIGALLOCATECHIN	
(-)-EPIGALLOCATECHIN-3-O-GALLATE	
1,3,4-TRIDEHYDROFANGCHINOLIUM-HYDROXIDE	1.0 mM/
1,3,5,6-TETRAHYDROXYXANTHONE	IC50=69.2 uM/
1,3,6,7-TETRAHYDROXYXANTHONE	IC50=530.8 uM/ (weak activity)
2,3,6,7-TETRAHYDROXYXANTHONE	IC50=769 uM/ (weak activity)
3,4,5,6-TETRAHYDROXYXANTHONE	IC50=238.5 uM/ (weak activity)
3,4,6,7-TETRAHYDROXYXANTHONE	IC50=35.4 uM/
4,5-EPOXYOVATODIOLIDE	20 ug/ (weak activity)

Chemical	Dosage
AFZELIN	IC50=2.8 mM
ALLO-CYMENE	100 ug/ml (weak activity)
ALPHA-DIMORPHECOLIC-ACID	IC50=0.6 mM/
ALPHA-TERPINENE	100 ug/ml (weak activity)
ALPHA-TERPINEOL	100 ug/ml (weak activity)
AMENTOFLAVONE	IC60-90=333 ug/ml
ANCOVENIN	IC50=85 nM rat
ANCOVENIN	IC50=87 nM
ANISOMELIC-ACID	20 ug (weak activity)
ASPERGILLOMARASMINE-A	IC50=1.2 uM/l pig
ASPERGILLOMARASMINE-B	IC50=1 uM/l pig
ASPEROSIDE	
ASTRAGALIN	ID50=180 ug/ml rat (24 hr.)
ATRACTYLODINOL	IC50=50 uM
CAPSIANOSIDE-A	1.15 mg/ (31.1% inhibition)
CAPSIANOSIDE-C	
CAPSIANOSIDE-D	2.47 mg/ (32.8% inhibition)
CAPSIANOSIDE-I	1.97 mg/ (weak activity, 22.1% inhibition)
CAPSIANOSIDES	
CORILAGIN	IC50=3.7 mM/l

Chemical	Dosage
DL-13-HYDROXYOCTADECA-9-TRANS-11-TRANS-DIENOIC-ACID	
DL-CORIOLIC-ACID	
ELLAGIC-ACID	IC50=5 mM/l
FANGCHINOLINE	
FENFANGJINE-B	
FENFANGJINE-C	
FENFANGJINE-D	
FENFANGJINE-F	1 mM/
FENFANGJINE-G	1 mM/
FENFANGJINE-H	1 mM/
FENFANGJINE-I	1 mM/
FICUS-OLIGOPEPTIDE-FLP-1	IC50=13 uM/
FICUS-OLIGOPEPTIDE-FLP-2	IC50=4.5 uM/
FICUS-OLIGOPEPTIDE-FLP-3	IC50=14 uM/
FICUS-PEPTIDE-FLP-1	IC50=14 uM/
FICUS-PEPTIDE-FLP-2	IC50=5 uM/
FICUS-PEPTIDE-FLP-3	IC50=14 uM/
FISETIN	IC50=150 uM/
GALLIC-ACID	IC50=7.7 mM/l
GAMMA-L-GLUTAMYL-(+)-S-ALLYL-L-CYSTEINE-SULPHOXIDE	IC49=30 ug/ml

Chemical	Dosage
GAMMA-TERPINENE	100 ug/ml (weak activity)
GERANIIN	IC50=0.4 mM/l
GLUTATHIONE	IC50=3.2 ug/ml
GOSSYPETIN	IC60-90=333 ug/ml
GOSSYPOL	hmn male
ISOQUERCITRIN	ID50=300 ug/ml rat (24 hr.)
ISOVITEXIN	IC50=0.28 mM/l
KAEMPFEROL-3-O-(2''-O-GALLOYL)-GLUCOSIDE	ID50=280 ug/ml rat (24 hr.)
L-ARGININE	500 mg/kg ivn adult hmn
LIRIODENDRIN	
LYCIUMIN-A	100 ug/
LYCIUMIN-B	100 ug/
MESQUITOL	IC60-90=333 ug/ml
MICROGININ	IC50=7 ug/ml
MOLIHUASIDE-A	
MONOCROTALINE	2 mg/kg rat (drinking water, 12 weeks)
MORIN	IC60-90=333 ug/ml
MURACEIN-A	IC50=0.18 ug/ml
MURACEIN-B	IC50=145 ug/ml
MURACEIN-C	IC50=9.8 ug/ml

Chemical	Dosage
MYRCENE	100 ug/ml
N-METHYLCOCLAURINE	
NICOTIANAMINE	IC50=0.26 uM/
O-METHYLARMEPAVINE	
OLEACEIN	IC50=26 uM/
OLEACEIN	IC50=36 uM/
OLEOSIDE	0.33 mg/ml (weak activity, 70% inhibition)
OLEOSIDE-11-METHYL-ESTER	0.33 mg/ml (weak activity, 16% inhibition)
OLEUROPEIN	0.33 mg/ml (weak activity, 8% inhibition)
PEPSTATIN	IC50@ug/ml
PHENACEIN	IC50=0.58 uM/
PROCYANIDIN-B-1	0.33 mg/ml (58.2% inhibition)
PROCYANIDIN-B-2-3,3'-DI-O-GALLATE	ED50=2.2 uM/
PROCYANIDIN-B-3	0.33 mg/ml (62.1% inhibition)
PROCYANIDIN-B-3-3-O-GALLATE	
PROCYANIDIN-B-5-3,3'-DI-O-GALLATE	ED50=1.3 uM/
PROCYANIDIN-B-6	0.17 mg/ml (36.7% inhibition)
PROCYANIDIN-C-1-3,3',3''-TRI-O-GALLATE	ED50=1.7 uM/
PROCYANIDIN-C-2	0.17 mg/ml (43.8% inhibition)
PROCYANIDINS	IC30-90=150-333 ug/ml

Chemical	Dosage
PYCNOGENOL	IC50=35 ug/ml hmn
PYCNOGENOL	32 mg/kg ivn rat
QUERCETIN-3-(2''-O-GALLOYL)-GLUCOSIDE	ID50=300 ug/ml rat (24 hr.)
QUERCETIN-3-O-(2''-O-GALLOYL)-GLUCOSIDE	IC50=2.7 mM/l
QUERCETIN-3-O-BETA-D-GLUCURONIDE	IC50=3.5 mM/l
QUERCITRIN	IC50=0.67 mM/
RHATANIN	
S-9-HYDROXYOCTADECA-10-TRANS-12-CIS-15-CIS-TRIENOIC-ACID	IC50=0.84 mM/
SAMBACEIN-I	IC50=28 uM/
SAMBACEIN-II	IC50=26 uM/
SAMBACEIN-III	
SAMBACOSIDE-A	
SYRINGIN	
TETRANDRINE	
TETRANDRINE-2(N)-BETA-OXIDE	1 mM/
TETRANDRINE-N-OXIDE	
VICENIN-2	IC50=0.2 mM/l
VITEXIN	5 ug/ml
VITEXIN	IC50=0.3 mM/l
VITEXIN-2''-O-ALPHA-L-RHAMNOSIDE	IC50=0.28 mM/l

Chemical	Dosage
ZINC	
[4,6]-3,4-CIS(-)FISETINIDOL-(+)-CATECHIN	IC62=170 ug/ml
[4,8]-3,4-CIS(-)FISETINIDOL-(+)-CATECHIN	IC66=330 ug/ml
[4,8]-3,4-TRANS(-)FISETINIDOL-(+)-CATECHIN	IC59=330 ug/ml