

Dr. Duke's Phytochemical and Ethnobotanical Databases
List of Chemicals for Prostaglandin-Synthesis-Inhibitor

Chemical	Dosage
(+)-TETRANDRINE	10 uM
(-)-MELLEIN	IC50=340 uM
(1S-2-TRANS-4R-6R-7-TRANS)-CEMBRA-2,7,12-(20-TRIENE-4,6,11-TRIOL)	IC50=13 mM
(1S-2-TRANS-4R-6R-7-TRANS-11-TRANS)-CEMBRA-2,7,11-TRIENE-4,6-DIOL	IC50=0.39 mM
(1S-2-TRANS-4S-6R-7-TRANS)-CEMBRA-2,7,12-(20-TRIENE-4,6,11-TRIOL)	IC50=2.7 mM
(1S-2-TRANS-4S-6R-7-TRANS-11-TRANS)-CEMBRA-2,7,11-TRIENE-4,6-DIOL	IC50=0.36 mM
(2S)-5-METHOXY-6-METHYLFLAVAN-7-OL	50 uM
1,2,4-TRIHYDROXY-BENZENE	IC50=900 uM
1,3,5-TRIHYDROXY-BENZENE	IC50=45 uM
2-HYDROXY-4,4,7-TRIMETHYL-(4H)-NAPHTHALEN-1-ONE	IC50=230 uM
3,3',7-TRIMETHYL-ETHER-6-C-METHYLQUERCETIN	IC50=4.5 uM
3,7-DIMETHYL-ETHER-6,8-DI-C-METHYLKAEMPFEROL	20 ug/ml
3,7-DIMETHYL-ETHER-6,8-DI-C-METHYLQUERCETIN	20 ug/ml
3,7-DIMETHYL-ETHER-6-C-METHYLQUERCETIN	IC50=25.9 uM
3-METHYL-ETHER-6,8-DI-C-METHYLKAEMPFEROL	40 ug/ml
3-METHYL-ETHER-6,8-DI-C-METHYLQUERCETIN	IC50=23 uM
3-METHYL-ETHER-6-C-METHYLQUERCETIN	IC50=55.4 uM
3-METHYLQUERCETIN	50 ug/ml rbt
4-VINYL-GUAIACOL	IC50=18 uM
6-(3-CARBOXY-BUT-2-ENYL)-7-HYDROXYCOUMARIN	1.3 ug/ml rbt
6-GINGEROL	1 mM (60.7% inhibition)
8-BETA-17-EPOXY-LABD-TRANS-12-ENE-15,16-DIAL	IC50=100 uM
AESCULETIN	100 uM rbt
ALPHA-LINOLENIC-ACID	39.5 g/day/hmn
ALPHITOL	IC50=0.66 mM
ARNEBINONE	20 ug/ml
AVAROL	3 ug/ml

Chemical	Dosage
BERBERASTINE	25 mg/kg ivn rbt
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BETULIN	IC50=119 uM
BETULINIC-ACID	IC50=101 uM
BETULINIC-ACID	200 ug/ml
BOLDINE	25 uM rat
CAFFEIC-ACID-MALATE	IC50=38 ug/ml
CURCUMIN	0.2% diet rat
DIINSINIOL	IC50=9.2 uM (weak activity)
EMODIN	IC50=23 uM/ml
ENT-8-ALPHA-HYDROXY-LABDA-13(16),14-DIENE	IC50=3 uM mus
EUGENOL	IC50=9.2 uM
EUGENOL	1 mM rbt
EUGENOL-ACETATE	1 mM rbt
FALCARINOL	--
FERULIC-ACID	0.58-3.2 mM
GALLIC-ACID-PROPYL-ESTER	IC50=100 uM
GINSENOSE-RC	500 ug/ml
GLAUCOCALYXIN-A	10 uM rbt
GLYCYRRHIZIN	100 mg/kg igs mus
GOSSYPOL	8.4-380 nM
GUAIACOL	IC50=57 uM
LABDA-TRANS-8(17)-12-DIENE-15-16-DIAL	IC50=100 uM
MYRICETIN-3-O-BETA-D-GLUCURONIDE	1 ug rbt
NORATHYRIOL	IC50=29.1 mg/kg ipr mus
OLEANOLIC-ACID	igs mus
P-COUMARIC-ACID	--

Chemical	Dosage
PYROGALLOL	IC50=900 uM
QUERCETIN	40 ug/ml
SALIPURPOSIDE	IC50=13.14 uM
SHIKONOFURAN-B	20 ug/ml (72% inhibition)
SHIKONOFURAN-C	20 ug/ml (72% inhibition)
SINOMENINE	IC50=1 mM
TANSHINONE	igs rbt
THAPSIGARGIN	1 uM