

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for COX-2-Inhibitor

Chemical	Dosage
(+)-CATECHIN	IC50=546-5,910 uM (cf indomethacin IC50=1 uM)
3,4-METHYLENE-DIOXYCINNAMIC-ACID-BORNYL-ESTER	IC18=100 ug/ml
AIPHANOL	--
AJOENE	--
ALPHA-BOSWELLIC-ACID	--
ANTHOCYANINS	IC47=125 ug/ml
APIGENIN	IC50=<15 uM
APIGENIN	<40 uM
APIGENIN	IC>65=1,000 uM
AR-TURMERONE	IC50=5.6 ug/ml
BAICALEIN	100 ug/ml
BERBERASTINE	100 ug/ml
BERBERINE	100 ug/ml
BETA-CAROTENE	IC82=50 ug/ml
BETA-TURMERONE	IC50=1.6 ug/ml
BOSWELLIC-ACID	--
CAFFEIC-ACID	IC32=100 uM
CINNAMALDEHYDE	IC50=245 uM
CINNAMIC-ACID-BORNYL-ESTER	IC19=100 ug/ml
CIRSILINEOL	IC>37=1,000 uM
CIRSIMARITIN	IC>50=1,000 uM
CURCUMIN	10-20 uM
CYANIDIN-3-O-GLUCOSIDE	IC59=100 ug/ml
EICOSAPENTAENOIC-ACID	1 uM
EMODIN	--
EUGENOL	IC50=129 uM
EUGENOL	IC>97=1,000 uM

Chemical	Dosage
EVODIAMINE	2.5 ug/ml
EVODOL	2.5 ug/ml
FLAVOKAWAIN-B	IC16=100 ug/ml
HUMULONE	--
ISOTHYMONIN	IC>37=1,000 uM
KAEMPFEROL	--
LAURIC-ACID	IC20=100
MELATONIN	--
MYRICETIN-3-O-BETA-D-GLUCURONIDE	IC50=8 uM/
OLEANOLIC-ACID	IC50=295 uM/
OLEANOLIC-ACID	--
PARTHENOLIDE	--
PINOSTROBIN	IC7=100 ug/ml
PTEROSTILBENE	IC50=84 uM
PUNICIC-ACID	--
QUERCETIN	<40 uM
RESVERATROL	50 uM/
RESVERATROL	>2.5->22.5 uM
RESVERATROL	30 uM/
ROSMARINIC-ACID	IC>58=1,000 uM
RUTAECARPINE	2.5 ug/ml (strong activity)
SALICYLIC-ACID	--
TRANS-RESVERATROL	20 uM/
UROLITHIN-A	--
URSOLIC-ACID	IC50=130 uM/