

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**List of Chemicals for COX-2-Inhibitor**

Chemical	Dosage
EUGENOL	IC <sub>50</sub> =1,000 uM
APIGENIN	IC <sub>50</sub> =1,000 uM
ROSMARINIC-ACID	IC <sub>50</sub> =1,000 uM
CIRSIMARITIN	IC <sub>50</sub> =1,000 uM
ISOTHYMONIN	IC <sub>50</sub> =1,000 uM
CIRSILINEOL	IC <sub>50</sub> =1,000 uM
BETA-CAROTENE	IC <sub>50</sub> =50 ug/ml
PINOSTROBIN	IC <sub>50</sub> =100 ug/ml
CYANIDIN-3-O-GLUCOSIDE	IC <sub>50</sub> =100 ug/ml
APIGENIN	IC <sub>50</sub> <15 uM
PTEROSTILBENE	IC <sub>50</sub> =84 uM
MYRICETIN-3-O-BETA-D-GLUCURONIDE	IC <sub>50</sub> =8 uM/
(+)-CATECHIN	IC <sub>50</sub> =546-5,910 uM (cf indomethacin IC <sub>50</sub> =1 uM)
AR-TURMERONE	IC <sub>50</sub> =5.6 ug/ml
OLEANOLIC-ACID	IC <sub>50</sub> =295 uM/
CINNAMALDEHYDE	IC <sub>50</sub> =245 uM
URSOLIC-ACID	IC <sub>50</sub> =130 uM/
EUGENOL	IC <sub>50</sub> =129 uM
BETA-TURMERONE	IC <sub>50</sub> =1.6 ug/ml
ANTHOCYANINS	IC <sub>50</sub> =125 ug/ml
CAFFEIC-ACID	IC <sub>50</sub> =100 uM
LAURIC-ACID	IC <sub>50</sub> =100
CINNAMIC-ACID-BORNYL-ESTER	IC <sub>50</sub> =100 ug/ml
3,4-METHYLENE-DIOXYCINNAMIC-ACID-BORNYL-ESTER	IC <sub>50</sub> =100 ug/ml
FLAVOKAWAIN-B	IC <sub>50</sub> =100 ug/ml
RESVERATROL	>2.5->22.5 uM
APIGENIN	<40 uM

Chemical	Dosage
QUERCETIN	<40 uM
RESVERATROL	50 uM/
RESVERATROL	30 uM/
TRANS-RESVERATROL	20 uM/
RUTAECARPINE	2.5 ug/ml (strong activity)
EVODIAMINE	2.5 ug/ml
EVODOL	2.5 ug/ml
BAICALEIN	100 ug/ml
BERBERASTINE	100 ug/ml
BERBERINE	100 ug/ml
CURCUMIN	10-20 uM
EICOSAPENTAENOIC-ACID	1 uM
BOSWELLIC-ACID	--
MELATONIN	--
AIPHANOL	--
HUMULONE	--
UROLITHIN-A	--
OLEANOLIC-ACID	--
PUNICIC-ACID	--
KAEMPFEROL	--
ALPHA-BOSWELLIC-ACID	--
EMODIN	--
PARTHENOLIDE	--
AJOENE	--
SALICYLIC-ACID	--