

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for 5-Lipoxygenase-Inhibitor

Chemical	Dosage
(-)-BORNYL-CAFFEATE	--
(-)-BORNYL-FERULATE	--
(-)-BORNYL-P-COUMARATE	--
(-)-EPICATECHIN	IC50=22-50 uM/l
3-HYDROXY-FLAVONE	IC50 (uM)=16
ACETYL-11-KETO-BETA-BOSWELLIC-ACID	2 uM
ACETYL-BETA-BOSWELLIC-ACID	7 uM
AESCULETIN	IC50=0.1-5 uM
ALPHA-BOSWELLIC-ACID	--
ARDISIAQUINONE	0.1-10 uM
ATRACTYLON	--
BAICALEIN	IC50=0.1-5 uM
BETA-BOSWELLIC-ACID	5 uM
BOSWELLIC-ACID	IC50=1.5-33 uM
CAPSAICIN	--
CARNOSOL	IC50 (uM)=2
CHELERYTHRINE	--
CIS-METHYLSULPHINOTHIOIC-ACID-S-1-PROPENYLESTER	--
CIS-N-PROPYLSULPHINOTHIOIC-ACID-S-1-PROPENYLESTER	--
CURCUMIN	--
ESCULETIN	IC50=0.1-5 uM
FISETIN	IC50 (uM)=11
GAMMA-BOSWELLIC-ACID	--
KAEMPFEROL	IC50 (uM)=20
MYRCETIN	IC50 (uM)=13
N-PROPYLSULPHINOTHIOIC-ACID-S-N-PROPYLESTER	--
NDGA	IC50 (uM)=0.8

Chemical	Dosage
NORDIHYDROGUAIARETIC-ACID	--
OSTHOL	--
PARTHENOLIDE	--
PROPYL-GALLATE	IC50 (uM)=5
QUERCETIN	IC50 (uM)=4
RESVERATROL	IC50=48 uM
RESVERATROL	IC50=1-9 uM
SANGUINARINE	--
SHOGAOL	--
TRANS-5-ETHYL-4,6,7-TRITHIA-2-DECENE-4-S-OXIDE	--
TRANS-METHYLSULPHINOTHIOIC-ACID-S-1-PROPENYLESTER	--
TRANS-N-PROPYLSULPHINOTHIOIC-ACID-S-1-PROPENYLESTER	--
TRANS-TRANS-5-ETHYL-4,6,7-TRITHIA-2,8-DECADIENE-4-S-OXIDE	--
TROLOX	IC50 (uM)=170
ZINGERONE	--