

A 5-Lipoxygenase-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
(-)-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

Chemical	Dosage
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
NORDIHYDROGUAIARETIC-ACID	
OSTHOL	
PARTHENOLIDE	
PROPYL-GALLATE	IC50 (uM)=5
QUERCETIN	IC50 (uM)=4
RESVERATROL	IC50=1-9 uM
RESVERATROL	IC50=48 uM
SANGUINARINE	
SHOGAOL	

Chemical	Dosage
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	