

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Allelochemic

Chemical	Dosage
(-)-EPICATECHIN	--
(20S0-4ALPHA-METHYL-24-METHYLENECHOLEST-7-EN-3BETA-OL	--
1,4-NAPTHAQUINONE	IC50=0.15 mM
15-HYDROXY-3-DEHYDRODESOXY-FRUITICIN	--
2',6'-DIHYDROXY-4'-METHOXYACETOPHENONE	--
2,3-DIHYDROXYBENZOATE	IC50=1.7
2-METHOXY-1,4-NAPTHOQUINONE	IC90=0.6 mM
2-METHOXY-3-METHYL-NAPTHOQUINONE	IC100=4 mM
2-METHYL-5-METHOXY-NAPTHOQUINONE	IC100=5 mM
2-NAPTHOL	IC50=0.2 mM
4-HYDROXYBENZALDEHYDE	IC50=0.38 mM
4-METHOXY-1,2-NAPTHOQUINONE	IC95=26 mM
4-METHOXYMEDICARPIN	IC83=0.8 mM
5-ACETOXY-1,4-NAPTHOQUINONE	IC74=5 mM
5-METHOXY-1,4-NAPTHOQUINONE	IC95=6 mM
7-METHYLJUGLONE	IC95=8 mM
ALPHA-PINENE	--
ALPHA-RESORCYLATE	IC50=4.6 mM
ARBUTIN	IC51=1.1 mM
BENZOATE	IC50=0.51 mM
BETA-RESORCYLATE	IC50=1.23 mM
BORNEOL	--
CAFFEATE	IC50=8.2 mM
CANALINE	--
CANAVANINE	--
CATECHIN	IC86=1 mM
CATECHOL	IC50=0.65 mM

Chemical	Dosage
CHIMAPHILIN	IC92=4 mM
CHLOROGENIC-ACID	--
CINNAMALDEHYDE	IC100=2.5 mM
CINNAMATE	IC95=5 uM
CINNAMYL-ALCOHOL	IC50=0.68 uM
COUMARIN	IC100=2 mM
CYANIDIN	IC90=1 mM
DELPHINIDIN	IC81=1 mM
EPICATECHIN	IC100=1 mM
FERULATE	IC50=1.43 mM
GALLATE	IC50=9.9 mM
GAMMA-RESORCYLATE	IC50=1.05 mM
GENTISATE	IC50=2.06 mM
HEXAHYDRO-2H-AZEPIN-2-ONE	--
HYDROQUINONE	IC100=2.7 mM
INDOLE-3-ACETIC-ACID	--
IROLONE	--
JUGLONE	IC99=1.1 mM
L-CANALINE	--
LAWSONE	IC90=2.4 mM
LIMONENE	--
MENADIONE	IC50=0.18 mM
MYRICETIN	IC82=1 mM
NAGILACTONE-E	--
NIVEUSIN	--
O-COUMARATE	IC95=0.20 mM
O-CRESOL	IC50=0.36 mM

Chemical	Dosage
P-COUMARATE	IC50=1.2 mM
P-CRESOL	IC50=1.13 mM
P-HYDROXYBENZOATE	IC50=1.34 mM
PARASORBIC-ACID	--
PARASORBIC-ACID-GLUCOSIDE	--
PHITHOCOL	IC100=6 mM
PLUMBAGIN	IC50=0,05 mM
PORTULAL	--
PROTocatechuate	IC50=4.4 mM
PYROGALLOL	IC50=6.53 mM
QUERCETIN	IC82=1 mM
RESORCINOL	IC50=1.1 mM
RUTIN	--
SALICYLALDEHYDE	IC50=0.51 mM
SALICYLATE	IC50=0.31 mM
SCOPOLETIN	IC89=2 mM
SYRINGATE	IC50=3.93 mM
T-CINNAMATE	IC50=0.63 μ M
TERPINOLENE	--
TRANS-CINNAMALDEHYDE	IC50=0.38 mM
TRIUMFEROL	400
UMBELLIFERONE	IC94=2 mM
VANILLATE	IC50=10 mM
VANILLIN	IC50=4.26 mM
VERBENONE	--