

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

**List of Chemicals for Nematicide**

Chemical	Dosage
TRIDEC-1-EN-3,5,7,9,11-PENTAYNE	--
TRANS-DEHYDROMATRICARIA-ESTER	--
TRANS-DEHYDROMATRICARIA	--
TRANS-ASARONE	200 ug/ml
THYMOL	MLC=0.1 mg/ml
THIOPHENE	--
THIARRUBRINE-A	5 ppm
TERPINEN-4-OL	MLC=1 mg/ml
SULFORAPHAN	--
SN-GLYCEROL-1-EICOSA-9,12-DIENOATE-2-PALMITOLEATE-3-LINOLEATE	ED50=100 ug/ml
SHOGAOL	--
SANTONIN	--
SANGUINARINE	50-100 ug/ml
SAFROLE	MLC=1 mg/ml
PYROCATECHOL	--
PERILLYL-ALCOHOL	MLC=1 mg/ml
PERILLALDEHYDE	MLC=1 mg/ml
PAPAIN	--
PALMITIC-ACID	--
P-ANISALDEHYDE	MLC=1 mg/ml
NEROLIDOL	MLC=1 mg/ml
N-BUTYL-P-ACETOXYCINNAMATE	MLC=80 uM
MYRISTIC-ACID	--
METHYL-ISOEUGENOL	MLC=1 mg/ml
METHYL-EUGENOL	MIC=1 mg/ml
METHYL-CINNAMATE	MLC=1 mg/ml
MENTHONE	MLC=1 mg/ml

Chemical	Dosage
MENTHOL	MLC=1 mg/ml
MENTHOFURAN	MLC=1 mg/ml
MEDICARPIN	LD50=25 ug/ml
LINOLEIC-ACID	--
LINALOOL	MLC=1 mg/ml
LIMONENE	IC=100 ug/ml
KOSAMIN	--
JASMONE	MLC=1 mg/ml
ISOBORNEOL	MLC=1 mg/ml
ISOALANTOLACTONE	--
INDOLE	MLC=1 mg/ml
HYDROXYVERNOLIDE	--
HINOKITOL	MLC=0.1-1 mg/ml
HEPTADECA-1,9-DIENE-4,6-DIYNE-3,8-DIOL	--
GLYCEOLLIN-II	--
GLYCEOLLIN-I	--
GLYCEOLLIN	--
GINGEROL	--
GERANIOL	MLC=1,000 ug/ml
GERANIOL	IC86=100 ug/ml
FARNESOL	MLC=100 ug/ml
FALCARINDIOL	--
EUGENOL	MLC=2,000 ug/ml
ETHYL-CINNAMATE	MLC=1,000 uM
ERYSOLIN	--
DI-N-BUTYL-SUCCINATE	--
DEMETHOXYCURCUMIN	--

Chemical	Dosage
DECANOL	MLC 100-700 ug/ml
DECANOIC-ACID	--
CYCLOCURCUMIN	--
CURCUMIN-IV	--
CURCUMIN	--
COUMESTROL	ED50=10-15 ug/ml
CONCANAVALIN-A	--
CITRONELLOL	MLC=100 ug/ml
CITRONELLAL	MIC 1 mg/ml
CITRAL	IC52=100 ug/ml
CITRAL	MLC=100-260 ug/ml
CIS-DEHYDROMATRICARIA	--
CINNAMYL-ALCOHOL	MLC=1,000 uM
CINNAMYL-ACETATE	MLC=1,000 uM
CINNAMALDEHYDE	100 ug/ml
CHUANLIANSU	--
CHELERYTHRINE	50-100 ug/ml
CHAVICOL	--
CHAVIBETEL	--
CARVONE	MLC=1 mg/ml
CARVACROL	MLC=1 mg/ml
CAMPHOR	MLC=1 mg/ml
BROMELAIN	--
BORNEOL	MLC=1 mg/ml
BOCCONINE	50-100 ug/ml
BIS-DEMETHOXYCURCUMIN	--
BETA-IONONE	MLC=1 mg/ml

Chemical	Dosage
BENZYL-ISOTHIOCYANATE	0.3-6 mM
BENZALDEHYDE	MLC=1 mg/ml
ASPARAGUSIC-ACID	50 ug/ml
ASIMICIN	1 ppm
ASCARIDOLE	--
ANNONIN-VI	--
ANNONASTATIN	--
ANNONACIN-A	--
ANNONACIN	--
ANACARDIC-ACID	--
ALPHA-TERTHIENYL	--
ALPHA-TERPINEOL	MLC=1 mg/ml
ALLYLPYROCATECHOL	--
ALLIGRIN	--
ALLICIN	--
ALANTOLACTONE	--
9,10-EPOXYHEPTADEC-16-EN-4,6-DIYN-8-OL	--
6-SHOGAOL	MLC=0.1 mg/ml
6-SHOGAOL	LD90=62 ug/ml
6-GINGEROL	LD90=62 ug/ml
6-ALPHA-HYDROXYMEDICARPIN	LD50=25 ug/ml
5-BUTYL-2,2'-BITHIENYL	--
5-(3-BUTEN-1-YNYL)-2,2'-BITHIENYL	--
4-TERT-BUTYLCYCLOHEXANONE	MLC=1,000 uM
28-DEACETYL-SENADANIN	--
2-UNDECANONE	--
2-CIS,8-CIS-DECA-2,8-DIENE-4,6-DIYNOATE	EC50=3 ug/ml

Chemical	Dosage
2,3-DIHYDRO-2-HYDROXY-3-METHYLENE-6-METHYLBENZOFURAN	--
1,8-CINEOLE	--
1'-ACETOXYCHAVICOL-ACETATE	100 ug/ml