

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Antifeedant

Chemical	Dosage
(+)-3-THUJONE	--
(+)-EPIEUDESMIN	--
(+)-EUDESMIN	--
(+)-PISATIN	--
(-)-3-ISOTHUJONE	--
(-)-VESTITOL	--
(-)-UGANDENSIDIAL	--
1,2-NAPHTHAQUINONE	--
1,4-NAPHTHAQUINONE	--
11,13-DIHYDROVERNOLADIN	--
13-HYDROXYLUPANINE	--
13-KETO-8(14)-PODOCARPEN-18-OIC-ACID	--
13-TRANS-CINNAMOYLOXYLUPANINE	--
14,15-DIHYDROJODRELLIN-T	IC=25 ppm
15-HEPTYLCHAPARRINONE	--
15-O-BENZOYLBRUCEIN-D	--
2(1'-ETHYLPROPYL)-1-METHYL-4-QUINOLONE	--
2,4-DIHYDROXY-7-METHOXY-(2H)-1,4-BENZOXAZIN-3-(4H)-ONE	--
2,5-DIHYDROXYMETHYL-3,4-DIHYDROXYPYRROLIDINE	--
2-ARYLBENZOFURAN	--
2-ETHYLANTHRAQUINONE	--
2-HYDROXYSWIETENINE	--
2-METHYL-6-METHOXYTETRAHYDRO-BETA-CARBOLINE	--
2-METHYLANTHRAQUINONE	--
2-O-BETA-D-GLUCOPYRANOSYL-CUCURBITACIN-E	--
2-TRIDECANONE	--
20-HYDROXYECDYSONE	--

Chemical	Dosage
2B-ANGELOYLEREMOPHILANOLIDE	--
3'-FORMYL-2',4',6'-TRIHYDROXY-5'-METHYLDIHYDROCHALCONE	--
3-EPICARYOPTIN	--
3-ISOTHUJONE	--
3-METHOXY-1-METHYL-2-PROPYL-4-QUINOLONE	--
3R-(-)-VESTITOL	--
4BETA-HYDROXYWITHANOLIDE-E	ED50=250
5,7-DIHYDROXYCHROMONE	--
5-METHOXY-N,N-DIMETHYLTRYPTAMINE	--
6-HEPTADECENYLSALICYLIC-ACID	--
6-METHOXYTECLEANTHINE	--
6-O-ACETYL-NIMBANDIOL	IC50=4.4 ppm diet
6-PENTADECENYLSALICYLIC-ACID	--
6-TIGLOYL-CHAPARRINONE	--
7,3'-DIHYDROXY-4'-METHOXY-8-METHYLFLAVAN	--
7-ACETYLTRICHILIN-A	--
7-O-(BETA-D-APIOFURANOSYL(1->6)-BETA-D-GLUCOPYRANOSYL-6-METHOXY-COUMARIN	--
8-DEOXYLACTUCIN	--
ABIETIC-ACID	--
ABYSINNIN	--
ACORIC-ACID	--
AILANTHONE	--
AJUGACUMBIN	--
AJUGARIN-I	IC=100 ppm
ALANTOLACTONE	--
ALATOLIDE	--
ALLYL-ISOTHIOCYANATE	--

Chemical	Dosage
ALPHA-AMYRIN-PALMITATE	--
ALPHA-CHACONINE	1 uM
ALPHA-ELEOSTEARIC-ACID	--
ALPHA-PINENE	--
ALPHA-SOLANINE	1uM
ALPHA-TOMATINE	1uM
ANTHRANILIC-ACID	--
APHANIN	--
ARCANGELOLIDE	--
ARCURCEMENE	--
ARGOPHYLLIN-A	IC50=10,000 ppm diet
ARGOPHYLLIN-B	IC100=10,000 ppm diet
ARTECANIN	--
ASIMICIN	EC86=0.1%
AZADIRACHTIN	IC50=0.07-0.7 ppm diet
AZADIRACHTIN	EC50=0.29 ppm
AZADIRACHTIN-A	--
AZADIRADIONE	--
AZEDERACHOL	--
BAKKENOLIDE-A	--
BALANITIN	--
BERGAPTENE	--
BERGENIN	ED50=2,187-2,432 ppm
BETA-NITROPROPIONIC-ACID	--
BETA-SITOSTEROL	--
BETULIN	--
BILOBALIDE	--

Chemical	Dosage
BORNEOL	--
BORNYL-ACETATE	--
BRUCEANTIN	--
BRUCEANTINOL	--
BRUCEINE	--
BRUSATOL	--
BUDLEIN-A	IC100=10,000 ppm (diet)
CADINENE	--
CAFFEINE	--
CAMELLIDIN-II	--
CAMPHOR	IC50=5,000 ppm diet
CANAVANINE	--
CANIN	--
CANNELAL	--
CAPILLARIN	--
CAPILLIN	--
CARYOPHYLLENE	500 ppm
CARYOPHYLLENE-EPOXIDE	1 mM (diet)
CARYOPHYLLENE-OXIDE	--
CARYOPTIN	--
CASTANOSPERMINE	--
CASTILLEN-D	--
CASTILLENE	--
CATALPOSIDE	--
CATECHIN	--
CATHINE	--
CEDRELONE	IC50=8 ppm diet

Chemical	Dosage
CELANGULINE	--
CHAMAECYNONE	--
CHLOROGENIC-ACID	--
CICHORIIN	--
CINNAMODIAL	--
CINNZEYLANONE	--
CLERODENDRIN	--
CLERODIN	IC=100 ppm
CNICIN	--
COCAINE	--
CORONOPILIN	--
CUCURBITACIN	--
DEHYDROABIETIC-ACID	--
DEHYDROLEUCODIN	--
DEMISSIDINE	--
DEMISSINE	--
DESACETYLEUPASSERIN	IC100=10,000 ppm diet
DUMSIN	--
ELEMICIN	--
EMODIN	--
ENCECALIN	LD50=2 umol/g diet
EPICATECHIN	--
ERIANCORIN	--
ERIODICTYOL	IC52=<1,000 ppm diet
ERYTHRO-9,10-DIHYDROXY-1-OCTADECANOL-ACETATE	--
EUGENOL	--
EUPATOMOLIDE	--

Chemical	Dosage
EUPATORIOPICRIN	--
EVOXINE	--
FORMONONETIN	--
FRIEDELAN-3-ONE	--
GAMMA-TERPINENE	--
GENTISIC-ACID	--
GLAUCARUBIN	--
GLAUCARUBINONE	--
GLAUCOLIDE-A	--
GOSSYPOL	--
GRADOLIDE	--
GRAMINE	--
GRANDIFLORIC-ACID	--
GRAYANOTOXIN	--
GROSSHEMIN	--
HARRISONIN	--
HELENALIN	--
HEMATOXYLON	--
HESPERETIN	--
HILDECARPIN	--
HIPPEASTRINE	--
HIPTAGIN	--
HOMOERIODICTYOL	IC52=<1,000 ppm diet
HORDENINE	--
HYPAPHORINE	--
INFLEXIN	--
IPLAMIDE	--

Chemical	Dosage
ISOALANTOLACTONE	--
ISOBOLDINE	--
ISOBRUCEINE-B	--
ISODOMEDONE	--
ISOPETASIN	--
ISOPIMARIC-ACID	--
ISOPIMPINELLIN	--
ISOPONGAFLAVONE	--
ISOQUERCITRIN	--
JAPONIN	--
JODRELLIN-A	IC=50ppm
JODRELLIN-B	IC=25ppm
JUGLONE	--
KALMITOXIN	--
KARAKIN	--
KARANJIN	--
KLAINANONE	--
KOKUSAGONE	--
L-DOPA	--
LACTUPICRIN	--
LARICRESINOL	--
LAWSONE	--
LEIOKININE-A	--
LEIOKININE-B	--
LEPTINE	--
LICOISOFLAVONE-A	1.2 ppm
LICOISOFLAVONE-B	ED50=<1 ppm

Chemical	Dosage
LIGULATIN	--
LIMONENE	--
LIMONIN	--
LUTEOLIN	IC52=<1,000 ppm diet
LUTEONE	0.27 mM
LYCORENINE	--
LYCORICIDINE	--
MELIANTRIOL	--
MELICOPICINE	--
MENADIONE	--
METHYL-(3S,5S)-5-HYDROXY-3-(BETA-D-GLUCOPYRANOSYLOXY)-HEXANOATE	--
METHYL-EUGENOL	--
MICONIDIN	--
MONOCROTALINE	--
MORIN	IC52=<1000 ppm diet
MUZIGADIAL	--
MYRICETIN	IC52=<1,000 ppm diet
MYRICOSIDE	10 ppm
N-METHYLFLINDERSINE	--
NAGILACTONE	--
NAPTHAQUINONE	--
NEOABIETIC-ACID	--
NEROLIDOL	1 mM (diet)
NICOTINE	--
NIMBOLIDIN	--
NIMBOLININ	--
NOMILIN	--

Chemical	Dosage
OBACUNONE	--
OCHINOLIDE	--
OSMUNDALIN	--
P-HYDROXYBENZALDEHYDE	--
PARASORBOSIDE	--
PARILLIN	--
PARTHENIN	--
PEDONIN	--
PEROXYFEROLIDE	--
PHASEOLIN	0.03 ppm
PHLORETIN	IC52=<1000 ppm diet
PHLORIDZIN	ED50=200 ppm
PHLORIZIN	EC50=200 ppm
PINITOL	--
PINOSYLVIN	--
PIPERENONE	--
PLUMBAGIN	--
PODOLIDE	--
POLYGODIAL	--
PONASTERONE-A	--
PRECOCENE	--
PRIMIN	--
PSILOTIN	--
QUERCETIN	IC52=<1,000 ppm diet
QUERCITRIN	IC52=<1,000 ppm diet
QUININE	--
ROTENONE	--

Chemical	Dosage
ROXBURGHILIN	--
RUTIN	--
SALANNIN	--
SALICIN	--
SAMADERIN	--
SCHKUHRIN-I	--
SCHKUHRIN-II	--
SCOPOLETIN	--
SENDANIN	--
SERGOLIDE	--
SHIROMODIOL	--
SHIROMODIOL-DIACETATE	--
SHIROMODIOL-MONOACETATE	--
SIMALIKALACTONE-A	--
SINIGRIN	--
SOLACAULINE	--
SOLANIDINE	1 uM
SPECIOIN	--
SPILANTHOL	--
STEVIOL	150 ppm
STEVIOLBIOSIDE	--
STEVIOSIDE	--
SUCCINIC-ACID	--
SWIETENINE	--
SWIETENOLIDE	--
TANNIC-ACID	2-4% diet
TECLEANTHINE	--

Chemical	Dosage
TENULIN	--
TEPHROSIN	--
TERPINOLENE	--
TETRANEURIN	--
TOMATIDINE	1uM
TOONACILIN	--
TOSENDANIN	--
TRANS-ACONITIC-ACID	--
TRANS-ASARONE	200 ug/ml
TRANS-CINNAMALDEHYDE	--
TREWIASINE	--
TRICHILIN	3
TRICHIROKANIN	--
TULIRINIROL	--
TYLOPHORINE	--
UGANDENSIDIAL	--
ULEXONE-A	ED50=17ppm
VASICINOL	--
VASICINONE	--
VERBASCOSIDE	--
VESTITOL	--
VOLKENSIN	--
WARBURGANAL	0.1-10
WILFORINE	--
WITHANOLIDE	--
WITHANOLIDE-E	ED=100-500
XANTHOTOXIN	--

Chemical	Dosage
XANTHOXYLIN	--
XYLOMOLLIN	--
YATEIN	--
ZANTHOPHYLLINE	--
ZIMZIN	--