

Dr. Duke's Phytochemical and Ethnobotanical Databases

List of Chemicals for Antispasmodic

Chemical	Dosage
(+)-ISOCORYDINE	--
(-)-ALPHA-BISABOLOL	--
1,8-CINEOLE	--
16-EPIMETHUENINE	--
3-N-BUTYL-PHTHALIDE	--
6-SHOGAOL	--
7-METHOXYCOUMARIN	--
8(14),15-SANDARACOPIMARADIEN-7ALPHA,18-DIOL	--
8-METHOXY-CIRSILINEOL	--
ADENOSINE	--
AKNADINE	--
ALCHORNEINE	--
ALCHORNINE	--
ALCORNINE	--
ALLOHIMACHALOL	--
ALPHA-ASARONE	--
ALPHA-BISABOLOL	--
ALPHA-NARCOTINE	--
ALPHA-PINENE	--
ALPHA-TERPINENE	--
AMINOPHYLLINE	--
AMYGDALIN	--
ANCISTROCLADIDINE	5 ug/ml
ANETHOLE	--
ANGELICIN	ED=20
ANISODAMINE	--
ANISODINE	--

Chemical	Dosage
ANTHOCYANOSIDE	--
APIGENIN	EC50=1-5 uM
APIGENIN-7,4'-DIMETHYL-ETHER	--
APIGENIN-7-GLYCOSIDE	--
APIIN	--
APIOLE	--
APOATROPINE	--
APOCYANIN	--
ARBORINE	110 mg/kg scu gpg
ARBORININE	--
ARCHANGELICIN	--
ASARONE	--
ASCORBIC-ACID	500-5,000 mg/day
ATHAMANTHIN	--
ATROPINE	--
AURAPTEN	--
AVISAN	--
AZULENE	--
BAICALIN	--
BENZALDEHYDE	--
BENZYL-BENZOATE	--
BERBAMINE	5 mg/L
BERBERASTINE	--
BERBERINE	--
BERGAPTEN	--
BETA-ASARONE	--
BETA-DAMASCENONE	cf papaverine

Chemical	Dosage
BETA-HIMACHALINE	--
BETA-PINENE	--
BETA-SITOSTEROL-BETA-D-GLUCOSIDE	20 mg/kg
BETA-SITOSTEROL-D-GLUCOSIDE	--
BISABOLOXIDE	--
BISABOLOXIDE-A	--
BISABOLOXIDE-B	--
BORNEOL	ED50=0.008 mg/ml
BORNYL-ACETATE	ED50=0.09 mg/ml
BROMELAIN	--
BUTYL-PHTHALIDE	--
BUTYLIDENE-PHTHALIDE	--
CAFFEIC-ACID	EC50=3.4-15 uM
CAMPHOR	ED50=0.075 mg/ml
CAPSAICIN	--
CARBOXY-OXY-NAPTHOQUINONE	--
CARISSONE-3-N1-HOMOPIPERYL-HYDRAZONE	--
CARVACROL	--
CARYOPHYLLENE	--
CENTDAROL	ED50=14.13 uM
CHAMAZULENE	--
CHAMILLIN	--
CHEBULIN	--
CHELIDONINE	--
CHIKUSETSUSAPONIN	--
CHRYSIN	--
CHRY SOPHANIC-ACID	--

Chemical	Dosage
CHRYSOSPLENIN	--
CHRYSOSPLENOL	--
CINCHOPHYLLINE	--
CINNAMALDEHYDE	--
CINNAMIC-ACID	--
CIRSILINEOL	--
CITRACRIDONE	240 ppm
CITRAL	--
CNIDILIDE	--
CODEINE	--
COELOGIN	--
COLUMBIANADIN	--
CORYDALINE	--
CORYDAMINE	--
CRYOGENINE	--
CRYPTOMERIDOL	--
CULARINE	--
CURCUMIN	--
CUSPARINE	--
DAIDZEIN	--
DAIDZIN	--
DAUCOSTEROL	20 mg/kg
DIHYDROCANTHINE	1-5 mg/L
DIHYDROKAWAIN	--
DIHYDROMETHYSTICIN	--
DIPHENYLHYDANTOIN	--
DISENECIONYL-CIS-KHELIACTONE	--

Chemical	Dosage
ECHITAMINE	--
EMODIN	--
EN-YN-DICYCLOETHER	EC50=1-2 uM
ETHYL-ACETATE	--
EUGENOL	--
EUGENYL-ACETATE	--
EVOXINE	--
FAGARINE	--
FARNESOL	--
FERULIC-ACID	--
FLAVIDIN	--
FORSKOLIN	--
FUMARILINE	ED50=50 mg/kg ipr
GALIPINE	--
GALIPININE	--
GAMMA-ASARONE	--
GENISTEIN	IC50=34 uM
GERANIOL	--
GINKGETIN	--
GLAUCINE	--
GRAVEOLININE	--
HERNIARIN	--
HESPERIDIN-METHYL-CHALCONE	750-1,500 mg/day
HIMACHALOL	ED50=1.1 uM
HIMANDRIDRINE	1 mg/L
HIMANDRINE	10 mg/L
HIMBACINE	0.1 ppb

Chemical	Dosage
HIMBADINE	0.1 mg/L
HIMBELINE	--
HIMBOSINE	20 mg/L
HIMGALINE	10-20 mg/L
HIMGRAVINE	0.1 mg/kg
HODGKINSINE	10-50 mg/L
HYOSCYAMINE	--
IMPERATINE	--
IMPERIALINE	--
ISOLIQUIRITIGENIN	--
ISOPETASIN	--
ISOPSORALEN	--
ISORHAMNETIN	--
JACEIDIN	--
KAEMPFEROL	--
KAEMPFEROL-3-RHAMNOGLUCOSIDE	--
KAEMPFEROL-4'-O-METHYLETHER	--
KAWAIN	--
KHELLIN	--
LANTANINE	--
LAWSONE	--
LIGUSTILIDE	--
LIMONENE	ED50=0.197 mg/ml
LINALOOL	--
LINALYL-ACETATE	ED50=0.21 mg/ml
LIQUIRITIGENIN	--
LIQUIRITIGENIN-CHALCONE	--

Chemical	Dosage
LONICERIN	--
LUNASINE	1-10 mg/L
LUPULIN	--
LUPULONE	--
LUTEOLIN	--
MAGNESIUM	--
MAGNOFLORINE	--
MANGIFERIN	--
MANNITOL	--
MARMIN	--
MENTHOL	ED50=0.01 mg/ml
MENTHONE	ED50=0.044 mg/ml
MENTHYL-ACETATE	ED50=0.105 mg/ml
METAXYLOHYDROQUINONE	--
METHUENINE	--
METHYL-7-KAEMPFEROL	--
METHYL-ISOEUGENOL	--
METHYL-PHTHALIDES	--
METHYSTICIN	--
MIMOSINE	20-50 mg/L
MORIN	--
MORPHINE	--
MYRCENE	--
MYRISTICIN	--
N-BUTYL-4,5-DIHYDROPHthalIDE	--
NARINGENIN	--
NEOMENTHOL	ED50=0.033 mg/ml

Chemical	Dosage
NEOPINE	--
NEPETRIN	--
NERAL	--
NIACIN	100 mg 2x/day
NIGELLONE	--
NORACRONYCIDINE	1 mg/L
NORNUCIFERINE	--
NUCIFERINE	--
NUPHARINE	--
OLEUROPEIN	--
ONITIN	--
P-COUMARIC-ACID	--
PAEONIFLORIN	--
PAPAVERINE	ED50=4.55 uM
PAPAVERINE	EC50=2.8-16 uM
PARTHENOLIDE	--
PATULETIN	--
PATULIN	--
PETASIN	14 x papaverine
PEUCENIDINE	--
PHLOROGLUCINOL	480 mg/day/orl man
PHTHALIDE	--
PHYLLEMBLIN	--
PHYSOSTIGMINE-SALICYLATE	--
PINENE	--
PIPERINE	--
PIPERLONGUMINE	--

Chemical	Dosage
POTASSIUM	--
PROTocatechuic-acid	EC50=4.6-17 uM
PROTOPINE	--
PROXIMOL	--
PSORALEN	--
PYRIDOXINE	100 mg/day
QUERCETIN	--
QUERCETIN-3-RHAMNOGLUCOSIDE	--
QUERCITRIN	--
QUININE-SULFATE	200-300 mg/man/
RETICULINE	--
ROBIDENOL-3-GALLATE	--
RUTAMARIN	20 x papaverine
RUTIN	--
SANTAMARIN	--
SANTAMARINE	--
SARRACINE	--
SAUSSURINE	--
SCOPARONE	--
SCOPOLAMINE	--
SCOPOLETIN	--
SHIKIMIC-ACID	--
SKIMMIANINE	--
STEPPOSIDE	--
TERPINEN-4-OL	--
TERPINEOL	--
TETRAMETHYL-PYRAZINE	--

Chemical	Dosage
THALICMINE	--
THEOPHYLLINE	100 uM
THUJONE	ED50=0.127 mg/ml
THYMOL	--
THYMONIN	--
THYMOQUINONE	--
TIGLOIDINE	--
TOCOPHEROL	300 mg/man/day
TYLOPHORINE	--
UMBELLIFERONE	--
USARMINE	--
VALERENIC-ACID	--
VALERIANIC-ACID	--
VALERIC-ACID	--
VALERINIC-ACID	--
VANILLYL-ALCOHOL	--
VITAMIN-B	100 mg/2 x/day
VITAMIN-B3	100 mg 2x/day
VITAMIN-E	300 mg/man/day
XANTHOGALIN	--
XANTHOTOXIN	--
XANTHOXIN	--
XANTHOXYLINE	IC50=54 uM
YANGONIN	--
Z-LIGUSTILIDE	--
Z-N-BUTYLIDENE-PHTHALIDE	--
ZERUMBONE	--