

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Fritillaria thunbergii*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3-O-ALPHA-L-RHAMNOPYRANOSYL...GLUCOPYRANOSIDE	Root				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3-O-BETA-D-GLUCOPYRANOSYL...GLUCOPYRANOSIDE	Plant				--
0	APOVERTICINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
47	BETA-SITOSTEROL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BETA-SITOSTERYL-BETA-D-GLUCOSIDE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
28	CALCIUM	Bulb		400.0	-1.2801999375430626	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
2	CAMPESTEROL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
12	COPPER	Bulb		12.0	1.168187336917901	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	ENT-(16S)-ATISAN-13,17-OXIDE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-15,16-EPOXYKAURAN-17-OL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ENT-15BETA,16-EPOXYKAURAN-17-OL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-16-ATISAN-13,17-OXIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ENT-16-HYDROXYKAURAN-17-YL-ENT-LAUR-15-EN-17-OATE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ENT-16ALPHA-METHOXYKAURAN-17-OL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-16BETA,17-EPOXYKAURANE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-16BETA-HYDROXYKAURA-17-YL-ENT-15,16-EPOXYKAUR-17-OL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ENT-16BETA-HYDROXYKAURAN-17-YL-ENT-KAUR-15-EN-17-OATE	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ENT-17-NORKAURAN-16-ONE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-KAUR-15-EN-17-OL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-KAURAN-16ALPHA,17-DIOL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ENT-KAURAN-16BETA,17-DIOL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
2	FRITILLARINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
1	FRITILLINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	HAPEPUNINE-3-O-ALPHA-L-RHAMNO...GLUCOPYRANO SIDE	Plant				Chemical Constituents of Oriental Herbs (3 diff. books)
6	IRON	Bulb		50.0	-1.4113827209547485	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	ISOPIMARACRAN-19-OL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ISOPIMARAN-19-OIC-ACID-METHYL-ESTER	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Bulb		370.0	-1.4139200454245453	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
14	MANGANESE	Bulb		12.0	-0.8450509047541928	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	MERCURY	Bulb		0.04	0.9999999999999998	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	PEIMIDINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
3	PEIMINE	Stem				Chemical Constituents of Oriental Herbs (3 diff. books)

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0	PEIMININE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PEIMISINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PEIMITIDINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
14	POTASSIUM	Tuber		5980.0	-0.7202977397707155	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	SODIUM	Bulb		396.0	-0.8136480196328508	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
12	STIGMASTEROL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
7	SUCCINIC-ACID	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
4	THYMIDINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TRANS-COMMUNIC-ACID-METHYL-ESTER	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TRANS-COMMUNOL	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
2	VERTICILLINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
3	VERTICINE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
0	VERTICINONE	Bulb				Chemical Constituents of Oriental Herbs (3 diff. books)
77	ZINC	Bulb		12.0	-0.7939654612611702	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.