

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Tribulus terrestris

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Seed	385000.0	462000.0	2.029992161178318	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Leaf	64000.0	278000.0	1.4402242645762848	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
28	CALCIUM	Leaf		33500.0	1.02920697941033	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Leaf	46000.0	167000.0	0.8483140717579525	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Seed	292000.0	378000.0	0.5931698383018777	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARBOHYDRATES	Leaf	146000.0	686000.0	0.5896890600465644	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
27	LINOLEIC-ACID	Fruit	19950.0	28500.0	0.04669189582168431	--
8	STEARIC-ACID	Fruit	2800.0	4000.0	-0.01394936096080292	--
0	WATER	Leaf	720000.0	791000.0	-0.08300508507954917	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
14	POTASSIUM	Leaf		28400.0	-0.08584609063481155	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	FAT	Fruit	35000.0	50000.0	-0.2593561116439818	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	PALMITIC-ACID	Fruit	2800.0	4000.0	-0.3032640695134574	--
18	OLEIC-ACID	Fruit	9450.0	13500.0	-0.37669613908562666	--
112	ASCORBIC-ACID	Leaf		420.0	-0.4049494488727124	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	PHOSPHORUS	Leaf	800.0	2500.0	-0.45471545059789814	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
6	IRON	Leaf		92.0	-0.6873822885104497	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	OXALATES	Leaf		4000.0	-0.9538746461356824	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Leaf		5000.0	-1.0254745536914338	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Leaf		54000.0	-1.5746568815306012	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
12	STIGMASTEROL	Flower				--
7	DIOSGENIN	Shoot				--
0	HECOGENIN	Shoot				--
0	DESOXYDIOSGENIN	Shoot				--
23	HARMINE	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	DAUCOSTEROL	Shoot				--
0	SAPONOSIDE-C	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	25-D-SPIROSTA-3,5-DIENE	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	HARMAN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CRACILLIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	NEOHECOGENIN-3-O-BETA-D-GLUCOPYRANOSIDE	Shoot				--
8	GLUTAMIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CHLOROGENIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	RUSCOGENIN	Plant				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	NEOGITOGENIN	Flower				--
1	GITOGENIN	Flower				--
176	QUERCETIN	Flower				--
2	CAMPESTEROL	Flower				--
2	PROTODIOSCIN	Shoot				--
0	KAEMPFEROL-3-BETA-D-(6'P-COUMAROYL)-GLUCOSIDE	Shoot				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	KAEMPFEROL-3-O-RUTINOSIDE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	TRIBULOSIN	Shoot				--
47	BETA-SITOSTEROL	Flower				--
0	KAEMPFEROL-3-O-GLUCOSIDE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	TRIBULOSIDE	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	ASTRAGALIN	Plant				--
75	KAEMPFEROL	Flower				--
0	TERRESTROSIDE	Shoot				--
0	DIOSGIN	Shoot				--
3	ASPARTIC-ACID	Fruit				--