

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Capparis spinosa

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALKALOIDS	Fruit	740	740	-0.734926011692987	
0	ALKALOIDS	Leaf	200	200	-0.5962122322469999	
0	ARABINOSE	Plant	--	--		
112	ASCORBIC-ACID	Fruit	--	1335	-0.20148272017997962	Wealth of India.
112	ASCORBIC-ACID	Leaf	--	710	-0.3780411442297887	Wealth of India.
112	ASCORBIC-ACID	Flower	260	2300	-0.12670207924999813	
0	ASH	Flower	79000	140000	1.6289278252895272	
0	ASH	Leaf	132000	132000	0.23165703987909675	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
47	BETA-SITOSTEROL	Plant	--	--		
4	BETA-SITOSTEROL-BETA-D-GLUCOSIDE	Plant	--	--		
28	CALCIUM	Leaf	--	5500	-0.8839670914339806	Wealth of India.
0	CAPPAPRENOLS	Leaf	--	--		
0	CAPPAPRENOLS	Root	--	--		
0	CARBOHYDRATES	Leaf	477000	537000	-0.5952505888685411	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	CHOLINE	Fruit	370	370	-0.5296940753697843	
20	CHOLINE	Leaf	100	100	-0.4834212946273979	
20	CHOLINE	Plant	--	--		
23	CITRIC-ACID	Plant	--	--		
57	COUMARIN	Plant	--	--		
1	DEXTROSE	Flower	--	--		
0	FAT	Fruit	37500	37500	-0.35483010618440636	
0	FAT	Leaf	4900	15000	-0.8262066756491712	
0	FAT	Seed	316000	346000	0.49835739971643	
0	FAT	Flower	4700	4700	-0.8359426398879087	
15	FIBER	Leaf	68000	79000	-1.0206389346244922	
0	GLUCOCAPANGULIN	Plant	--	--		
0	GLUCOCAPPARIN	Plant	--	--		
0	GLUCOCAPPARIN	Seed	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GLUCOCLEOMIN	Plant	--	--		
1	GLUCOIBERIN	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	GLUCOSE	Plant	--	--		
4	GLUCURONIC-ACID	Plant	--	--		
0	INDOLE-GLUCOSINOLATES	Root	--	--		
12	IODINE	Fruit	--	699	3.4640953020632	Wealth of India.
6	IRON	Leaf	--	720	0.9044328765893729	Wealth of India.
0	ISOTHIOCYANATE-GYLCOSIDE	Flower	--	--		Wealth of India.
0	KAEMPFEROL-3-0-RUTINOSIDE	Plant	--	--		
0	KAEMPFEROL-3-0-RUTINOSIDE	Flower	--	--		Wealth of India.
0	L-STACHYDRINE	Leaf	100	100	-1	
0	L-STACHYDRINE	Bark	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	L-STACHYDRINE	Fruit	370	370		
7	LAURIC-ACID	Plant	--	--		
27	LINOLEIC-ACID	Seed	142200	183600	0.6552694118732165	Wealth of India.
27	LINOLEIC-ACID	Flower	700	2115	0.10814468177553463	
27	LINOLEIC-ACID	Plant	--	--		
0	LINOLENIC-ACID	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	MUCILAGE	Plant	--	--		
6	MYRISTIC-ACID	Plant	--	--		
18	OLEIC-ACID	Flower	277	2162	1.3557818711732559	
18	OLEIC-ACID	Seed	132720	165600	0.38222902010309456	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	OXALIC-ACID	Plant	--	--		
13	PALMITIC-ACID	Flower	1123	1123	-1.0985138336600548	
13	PALMITIC-ACID	Plant	--	--		
13	PALMITIC-ACID	Seed	11060	16200	-0.3653424851029563	Wealth of India.
0	PECTIC-ACID	Flower	--	--		
0	PECTIC-ACID	Plant	--	--		
0	PENTOSANS	Flower	40000	40000		
4	PHOSPHORUS	Leaf	--	1350	-0.6663004741417594	Wealth of India.
0	PROTEIN	Leaf	138000	179000	-0.32766110332231657	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Seed	190000	220000	-0.12272316530742187	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
176	QUERCETIN	Flower	--	--		
0	QUERCETIN-3-O-RUTINOSIDE	Plant	--	--		
0	QUERCETIN-3-O-GLUCOSIDE	Shoot	--	60		
0	QUERCETIN-3-O-GLUCOSIDE-7-O-RHAMNOSIDE	Shoot	--	56		
0	QUERCETIN-3-O-RUTINOSIDE	Shoot	--	44		
0	QUERCETIN-3-O-[6''-ALPHA-L-RHAMNOSYL-6''-BETA-D-GLUCOSYL]-BETA-DD-GLUCOSIDE	Shoot	--	185		
0	QUERCETIN-7-O-BETA-D-GLUCOPYRANOSIDE-BETA-L-RHAMNOPYRANOSIDE	Plant	--	--		
0	RHAMNOSE	Flower	--	--		
15	RIBOFLAVIN	Flower	0.89	2.16	-0.95039534674468	
0	RUTIC-ACID	Flower	--	--		
0	RUTIC-ACID	Plant	--	--		
87	RUTIN	Shoot	--	--		
87	RUTIN	Flower	--	--		
87	RUTIN	Plant	--	--		
0	RUTINASE	Flower	--	--		
0	RUTINOSE	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SAPONIN	Plant	--	--		
7	SINIGRIN	Plant	--	--		
1	SODIUM	Leaf	--	850	-0.49631905375908264	Wealth of India.
8	STEARIC-ACID	Seed	11060	16200	-0.21390505063016926	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
8	STEARIC-ACID	Flower	348	348	0.1338183669576338	
35	TANNIN	Plant	--	--		
6	TARTARIC-ACID	Plant	--	--		
31	THIAMIN	Flower	0.7	0.72	-1.3431000033782277	
75	VITAMIN-E	Seed Oil	--	1340		Wealth of India.
75	VITAMIN-E	Seed	42	50		Wealth of India.
0	WATER	Leaf	696000	696000	-0.5569583695853872	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	WATER	Flower	696000	795000	-0.11154719049682113	
3	XYLOSE	Plant	--	--		