

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Nasturtium officinale*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	2-PHENYLETHYL-ISOTHIOCYANATE	Herb				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	3-PHENYLPROPIONITRILE	Herb				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	8-METHYLTHIOOCTANONE-NITRILE	Herb				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
3	ALANINE	Herb	1370.0	27400.0	1.0	USDA's Ag Handbook 8 and sequelae)
14	ARGININE	Herb	1500.0	30000.0	1.0	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Shoot		370.0	-0.35322325046580305	--
112	ASCORBIC-ACID	Herb	430.0	13690.0	1.0	--
0	ASH	Herb	13000.0	179000.0	1.0	--
3	ASPARTIC-ACID	Herb	1870.0	37400.0	1.0	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Herb	28.0	560.0	-1.0	--
4	BIOTIN	Plant				--
28	CALCIUM	Herb	1200.0	24000.0	1.0	--
0	CARBOHYDRATES	Herb	12900.0	25800.0	-1.0	--
12	COPPER	Plant				--
2	CYSTINE	Herb	70.0	1400.0	-1.0	USDA's Ag Handbook 8 and sequelae)
0	DIASTASE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	EO	Plant	600.0	660.0	-0.6899697594932024	--
2	ERUCIC-ACID	Seed		314200.0	2.4997212516106067	--
0	FAT	Herb	1000.0	20000.0	-1.0	--
15	FIBER	Herb	700.0	77670.0	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FOLACIN	Plant				--
0	GLUCONASTURTIIN	Plant				--
1	GLUCONASTURTIN	Plant				--
1	GLUCOSINOLATE	Seed		5000.0		--
0	GLUCOSINOLATES	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
8	GLUTAMIC-ACID	Herb	1900.0	38000.0	1.0	USDA's Ag Handbook 8 and sequelae)
12	GLYCINE	Herb	1120.0	22400.0	1.0	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Herb	400.0	8000.0	1.0	USDA's Ag Handbook 8 and sequelae)
6	IRON	Herb	2.0	262.0	-1.0	--
3	ISOLEUCINE	Herb	530.0	10600.0	-1.0	USDA's Ag Handbook 8 and sequelae)
0	KILOCALORIES	Herb	300.0	2915.0	-1.0	--
2	LEUCINE	Herb	1660.0	33200.0	1.0	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Herb	1340.0	26800.0	1.0	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Herb	210.0	4200.0	-0.6852790240602671	USDA's Ag Handbook 8 and sequelae)
14	MANGANESE	Plant				--
15	METHIONINE	Herb	200.0	4000.0	1.0	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Herb	2.0	113.0	1.0	--
11	PANTOTHENIC-ACID	Plant	3.0	62.0	1.8932630005051823	--
7	PHENYLALANINE	Herb	1140.0	22800.0	1.0	USDA's Ag Handbook 8 and sequelae)
0	PHENYLETHYL-ISOTHIOCYANATE	Plant				--
4	PHOSPHORUS	Herb	600.0	12000.0	1.0	--
5	PHYLLOQUINONE	Leaf		3.15	-0.5666063420415813	--
14	POTASSIUM	Herb	3300.0	66000.0	0.2728450800966206	--
0	PROLINE	Herb	960.0	19200.0	1.0	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Herb	23000.0	460000.0	1.0	--
15	RIBOFLAVIN	Herb	1.0	25.0	1.0	--
87	RUTIN	Shoot				--
7	SALICYLATES	Herb	8.0	85.0		--
1	SERINE	Herb	600.0	12000.0	1.0	--
1	SODIUM	Herb	410.0	8200.0	1.0	--
31	THIAMIN	Herb	1.0	18.0	1.0	--
4	THREONINE	Herb	1330.0	26600.0	1.0	USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Herb	300.0	6000.0	1.0	USDA's Ag Handbook 8 and sequelae)
8	TYROSINE	Herb	630.0	12600.0	1.0	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Herb	1370.0	27400.0	1.0	USDA's Ag Handbook 8 and sequelae)
0	VIT-B-6	Herb	1.0	26.0		USDA's Ag Handbook 8 and sequelae)
0	WATER	Herb	897000.0	951000.0	0.7581700684751388	--
77	ZINC	Plant				--