

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Solanum nigrum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	CAROTENE	Fruit	3600.0	5500.0	2.2136413406353914	--
23	CITRIC-ACID	Leaf		50000.0	1.9774150449411227	--
0	PROTEIN	Leaf	32000.0	333000.0	1.2086376954302904	--
0	GLYCOALKALOIDS	Fruit	21000.0	42500.0	1.0	--
7	DIOSGENIN	Fruit	4000.0	12000.0	0.9999999999999997	--
15	RIBOFLAVIN	Plant	1.0	23.0	0.8075373219625845	--
31	THIAMIN	Leaf	1.0	12.0	0.7701228842235702	--
6	IRON	Leaf	3.0	660.0	0.7523486251467147	--
8	FRUCTOSE	Fruit	75000.0	100000.0	0.6897250090731907	--
0	WATER	Leaf	821000.0	878000.0	0.35103634388895516	--
35	TANNIN	Plant	70000.0	100000.0	0.23890746627510662	--
0	FAT	Seed	215000.0	300000.0	0.18231593776493718	--
7	GLUCOSE	Fruit	75000.0	100000.0	0.16624470798533042	--
27	LINOLEIC-ACID	Seed		100190.0	-0.059395748936342946	--
112	ASCORBIC-ACID	Leaf	110.0	4067.0	-0.06655432117359895	--
0	FAT	Leaf	4000.0	53000.0	-0.06898873908857305	--
18	OLEIC-ACID	Seed		106855.0	-0.10068937184094863	--
4	PHOSPHORUS	Leaf	540.0	4000.0	-0.17873498510590535	--
28	CALCIUM	Leaf	1999.0	14400.0	-0.27585104748703904	--
0	ALKALOIDS	Leaf		4310.0	-0.3200363063966528	--
0	CARBOHYDRATES	Leaf	64000.0	560000.0	-0.4123404417205718	--
8	STEARIC-ACID	Seed		4085.0	-0.47675941170972747	--
0	PROTEIN	Seed		175000.0	-0.5230214698192328	--
13	PALMITIC-ACID	Seed		3870.0	-0.6197503924958631	--
53	BETA-CAROTENE	Leaf	1.0	110.0	-0.6588950320496002	--
0	ALKALOIDS	Fruit		1010.0	-0.6908712424444158	--
26	SOLANINE	Fruit	0.0	40.0	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
15	FIBER	Leaf		11000.0	-1.861536912240838	--
18	SOLASODINE	Root		200.0		--
0	BETA-SOLAMARGINE	Plant				--
18	SOLASODINE	Leaf		3000.0		--
0	XI-SOLANINIGRIN	Plant				--
47	BETA-SITOSTEROL	Plant				--
18	SOLASODINE	Fruit	900.0	6500.0		--
1	DESGALACTOTIGONIN	Fruit				--
0	SOLANSODAMINE	Plant				--
0	UTTROSIDES	Plant				--
0	D-XYLOSE	Plant				--
0	UTTRONIN	Root				--
0	D-GALACTOSE	Plant				--
0	SOLANIGRIN	Plant				--
0	ALPHA-SOLAMARGINE	Plant				--
1	TIGOGENIN	Plant		5000.0		--
9	SOLAMARGINE	Plant				--
1	CHOLESTEROL	Plant				--
0	SAPONIN	Plant				--
0	CHACONINE	Plant				--
0	SACCHAROPINE	Plant				--
0	26-O-(BETA-D-GLUCOPYRANOSYL)-22-METHOXY-25D-5-ALPHA...CCO	Plant				--
0	2(S)-2-AMINOADIPIC-ACID	Plant				--
11	SOLASONINE	Plant				--