

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Datura stramonium*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	3ALPHA,6BETA-DITIGLOYLOXYTROPANE	Plant	--	--		
0	4-HYDROXYLUBIMIN	Plant	--	--		
16	ACETIC-ACID	Plant	--	--		
3	ACETONE	Leaf	--	--		
1	ACONITIC-ACID	Plant	--	--		
0	ALKALOIDS	Fruit	4600	4600	-0.10510597725044958	
0	ALKALOIDS	Plant	1000	5000	-0.301997877296209	
0	ALKALOIDS	Leaf	2500	5100	-0.2669513960750533	
0	ALKALOIDS	Root	2100	2100	-0.8188378983835362	
0	ALKALOIDS	Stem	2500	2600	-0.4712252509257513	
0	ALKALOIDS	Seed	5000	5000	-0.5570246615418336	
0	ALPHA-KETO-GLUTARIC-ACID	Plant	--	--		
2	APOATROPINE	Plant	--	--		
112	ASCORBIC-ACID	Plant	--	--		
0	ATROPAMINE	Plant	--	--		
51	ATROPINE	Plant	800	1000		
0	ATROPINESTERASE	Plant	--	--		
0	BUTANOL	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
102	CAFFEIC-ACID	Plant	--	--		
0	CAPSIDOL	Plant	--	--		
77	CHLOROGENIC-ACID	Plant	--	--		
23	CITRIC-ACID	Plant	750	750	-0.598323519019182	
0	CUSCOHYGRINE	Leaf	--	--		
0	DATUGEN	Plant	--	--		
0	DATUGENIN	Plant	--	--		
0	DITIGLOYL-D-DEHYDROXYTROPANE	Plant	--	--		
0	EO	Leaf	450	450	-0.9750371958660573	
30	ESCULETIN	Plant	--	--		
24	ETHANOL	Plant	--	--		
0	FAT	Seed	150000	300000	0.18231593776493718	
61	FERULIC-ACID	Plant	--	--		
0	FLURODATURATINE	Plant	--	--		
12	FORMALDEHYDE	Plant	--	--		
13	FORMIC-ACID	Plant	--	--		
7	FUMARIC-ACID	Plant	--	--		
1	GALACTOSE	Leaf	--	--		
7	GLUCOSE	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	GLYCOLIC-ACID	Plant	--	--		
0	HOMOFLURODATURATINE	Plant	--	--		
0	HYOSCINE	Leaf	550	2500		
0	HYOSCINE	Seed	1200	5000		
27	HYOSCYAMINE	Seed	80	490	-1	
1	ISOBUTYRALDEHYDE	Plant	--	--		
8	LACTIC-ACID	Plant	--	--		
1	LIGNOCERIC-ACID	Plant	--	--		
27	LINOLEIC-ACID	Seed	22500	45000	-0.5322691481100582	
15	MALIC-ACID	Plant	2120	2120	-0.6235911066661377	
0	METELOIDINE	Leaf	--	--		
2	METHANOL	Leaf	--	--		
2	NEO-CHLOROGENIC-ACID	Plant	--	--		
21	NICOTINE	Plant	--	--		
18	OLEIC-ACID	Seed	93000	186000	0.5499289978996471	
13	PALMITIC-ACID	Seed	15000	30000	-0.08060370797220892	
0	POTASSIUM-NITRATE	Plant	--	--		
2	PROPIONALDEHYDE	Plant	--	--		
0	PROTEIN	Seed	140000	194000	-0.3540066301364682	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PUTRESCINE	Plant	--	--		
87	RUTIN	Plant	--	--		
0	SCOPIN	Plant	--	--		
41	SCOPOLAMINE	Seed	53	3050	0.9368577403415912	
44	SCOPOLETIN	Plant	--	--		
3	SCOPOLIN	Plant	--	--		
0	SITOSTEROL	Seed	--	--		
0	SOPHOROSE	Leaf	--	--		
8	STEARIC-ACID	Plant	--	--		
7	SUCCINIC-ACID	Plant	--	--		
35	TANNIN	Plant	70000	70000	-0.1990770770371384	
0	TIGLOYLMETELOIDIN	Plant	5	25		
22	UMBELLIFERONE	Plant	--	--		
0	VITASTRAMONOLIDE	Plant	--	--		