

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Sechium edule*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ALANINE	Fruit	560	8000	1.6870731974503679	
0	ALPHA-AMINO-UREIDOBUTYRIC-ACID	Plant	--	--		
14	ARGININE	Fruit	380	5430	0.29880945624005906	
112	ASCORBIC-ACID	Shoot	330	4460	-0.1551708112009148	
112	ASCORBIC-ACID	Fruit	110	1570	-0.1868711268885758	
0	ASH	Fruit	4000	57145	0.012461871710564358	
0	ASH	Leaf	21600	122000	0.05546931648513796	
0	ASH	Shoot	8000	108100	0.1279528503601956	
3	ASPARTIC-ACID	Fruit	1010	14430	0.561164359957125	
53	BETA-CAROTENE	Shoot	12	164	0.02393111593804544	
28	CALCIUM	Shoot	660	8920	-0.42477111001734913	
28	CALCIUM	Fruit	190	2715	-0.26336367743945416	
28	CALCIUM	Leaf	592	3345	-1.0312131672436051	
0	CARBOHYDRATES	Fruit	54000	771430	-0.061238006159749545	
5	CITRULLINE	Plant	--	--		
12	COPPER	Leaf	1.8	10	-0.4859212623327392	
0	FAT	Fruit	1000	42860	-0.31389085732547234	
0	FAT	Leaf	23200	131100	1.4872933884214983	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Shoot	22000	297300	4.740221793665376	
15	FIBER	Shoot	8000	108100	-0.7794547352525444	
15	FIBER	Fruit	7000	100000	-0.39327836686010154	
22	GABA	Fruit	--	--		
8	GLUTAMIC-ACID	Fruit	1370	19570	0.4927891111027475	
12	GLYCINE	Fruit	450	6430	1.0929785640414	
0	GLYCOLIPIDS	Leaf	7145	40365		
7	HISTIDINE	Fruit	160	2285	0.40131420395644557	
6	IRON	Shoot	3	40	-0.6147679959449659	
6	IRON	Fruit	4	57	-0.30138454539939624	
6	IRON	Leaf	46	262	-0.256476909422918	
3	ISOLEUCINE	Fruit	480	6855	0.9662685220386757	
0	KILOCALORIES	Fruit	240	3430	-0.3501686653175938	
2	LEUCINE	Fruit	840	12000	1.4666141865184734	
4	LYSINE	Fruit	430	6145	0.5258944882549557	
0	M-CARBOXYPHENYLALANINE	Plant	--	--		
65	MAGNESIUM	Fruit	140	2000	-0.060075695576469294	
65	MAGNESIUM	Leaf	670	3785	-0.13157271570203932	
15	METHIONINE	Fruit	10	145	-1.0017935473767665	

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39	NIACIN	Shoot	8	110	0.026896308324385245	
39	NIACIN	Fruit	5	70	0.12435008354111225	
9	OXALIC-ACID	Fruit	340	340	-0.28760062636271105	
0	PEROXIDASE	Leaf	--	--		
7	PHENYLALANINE	Fruit	520	7430	1.4233757526296436	
0	PHOSPHOLIPIDS	Leaf	6728	38010	1	
4	PHOSPHORUS	Fruit	260	3715	0.15156777868477836	
4	PHOSPHORUS	Shoot	470	6350	1.342740269656019	
14	POTASSIUM	Fruit	1500	21430	0.31085144991656927	
14	POTASSIUM	Shoot	3100	41890	1.266142652117299	
0	PROLINE	Fruit	480	6855	0.7818096958649071	
0	PROTEIN	Fruit	7000	128570	0.25566121436256506	
0	PROTEIN	Leaf	26900	152000	-0.5970121914153058	
15	RIBOFLAVIN	Fruit	0.4	5.7	0.14792503727695389	
15	RIBOFLAVIN	Shoot	0.8	11	-0.7235008637851053	
1	SERINE	Fruit	510	7285	1.285814457929103	
1	SODIUM	Fruit	40	570	-0.1298983266113147	
1	SODIUM	Shoot	14	190	-1.0223383975618894	
31	THIAMIN	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	THIAMIN	Shoot	0.3	4	-0.853559191701139	
4	THREONINE	Fruit	440	6285	1.358192135777012	
29	TRYPTOPHAN	Fruit	120	1715	1.2133545456738055	
8	TYROSINE	Fruit	350	5000	1.0696133056017336	
3	VALINE	Fruit	690	9860	1.1156133906137475	
0	WATER	Fruit	925000	930000	0.6931916201344491	
0	WATER	Leaf	823000	823000	0.07664233706978575	
0	WATER	Shoot	926000	926000	1.044633718353655	
77	ZINC	Leaf	0.5	73	-0.07876582763346765	