

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Sechium edule*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|---------------|------------|---------|----------|-----------------------|-------------------|
| 3 | ALANINE | Fruit | 560.0 | 8000.0 | 1.6870731974503679 | -- |
| 14 | ARGININE | Fruit | 380.0 | 5430.0 | 0.29880945624005906 | -- |
| 112 | ASCORBIC-ACID | Shoot | 330.0 | 4460.0 | -0.1551708112009148 | -- |
| 112 | ASCORBIC-ACID | Fruit | 110.0 | 1570.0 | -0.1868711268885758 | -- |
| 3 | ASPARTIC-ACID | Fruit | 1010.0 | 14430.0 | 0.561164359957125 | -- |
| 53 | BETA-CAROTENE | Shoot | 12.0 | 164.0 | 0.02393111593804544 | -- |
| 28 | CALCIUM | Shoot | 660.0 | 8920.0 | -0.42477111001734913 | -- |
| 28 | CALCIUM | Leaf | 592.0 | 3345.0 | -1.0312131672436051 | -- |
| 28 | CALCIUM | Fruit | 190.0 | 2715.0 | -0.26336367743945416 | -- |
| 5 | CITRULLINE | Plant | | | | -- |
| 12 | COPPER | Leaf | 1.8 | 10.0 | -0.4859212623327392 | -- |
| 15 | FIBER | Shoot | 8000.0 | 108100.0 | -0.7794547352525444 | -- |
| 15 | FIBER | Fruit | 7000.0 | 100000.0 | -0.39327836686010154 | -- |
| 22 | GABA | Fruit | | | | -- |
| 8 | GLUTAMIC-ACID | Fruit | 1370.0 | 19570.0 | 0.4927891111027475 | -- |
| 12 | GLYCINE | Fruit | 450.0 | 6430.0 | 1.0929785640414 | -- |
| 7 | HISTIDINE | Fruit | 160.0 | 2285.0 | 0.40131420395644557 | -- |
| 6 | IRON | Shoot | 3.0 | 40.0 | -0.6147679959449659 | -- |
| 6 | IRON | Leaf | 46.0 | 262.0 | -0.256476909422918 | -- |
| 6 | IRON | Fruit | 4.0 | 57.0 | -0.30138454539939624 | -- |
| 3 | ISOLEUCINE | Fruit | 480.0 | 6855.0 | 0.9662685220386757 | -- |
| 2 | LEUCINE | Fruit | 840.0 | 12000.0 | 1.4666141865184734 | -- |
| 4 | LYSINE | Fruit | 430.0 | 6145.0 | 0.5258944882549557 | -- |
| 65 | MAGNESIUM | Fruit | 140.0 | 2000.0 | -0.060075695576469294 | -- |
| 65 | MAGNESIUM | Leaf | 670.0 | 3785.0 | -0.13157271570203932 | -- |
| 15 | METHIONINE | Fruit | 10.0 | 145.0 | -1.0017935473767665 | -- |
| 39 | NIACIN | Shoot | 8.0 | 110.0 | 0.026896308324385245 | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|---------------|------------|---------|----------|----------------------|-------------------|
| 39 | NIACIN | Fruit | 5.0 | 70.0 | 0.12435008354111225 | -- |
| 9 | OXALIC-ACID | Fruit | | 340.0 | -0.28760062636271105 | -- |
| 7 | PHENYLALANINE | Fruit | 520.0 | 7430.0 | 1.4233757526296436 | -- |
| 4 | PHOSPHORUS | Shoot | 470.0 | 6350.0 | 1.342740269656019 | -- |
| 4 | PHOSPHORUS | Fruit | 260.0 | 3715.0 | 0.15156777868477836 | -- |
| 14 | POTASSIUM | Shoot | 3100.0 | 41890.0 | 1.266142652117299 | -- |
| 14 | POTASSIUM | Fruit | 1500.0 | 21430.0 | 0.31085144991656927 | -- |
| 15 | RIBOFLAVIN | Shoot | 0.8 | 11.0 | -0.7235008637851053 | -- |
| 15 | RIBOFLAVIN | Fruit | 0.4 | 5.7 | 0.14792503727695389 | -- |
| 1 | SERINE | Fruit | 510.0 | 7285.0 | 1.285814457929103 | -- |
| 1 | SODIUM | Shoot | 14.0 | 190.0 | -1.0223383975618894 | -- |
| 1 | SODIUM | Fruit | 40.0 | 570.0 | -0.1298983266113147 | -- |
| 31 | THIAMIN | Shoot | 0.3 | 4.0 | -0.853559191701139 | -- |
| 31 | THIAMIN | Plant | | | | -- |
| 4 | THREONINE | Fruit | 440.0 | 6285.0 | 1.358192135777012 | -- |
| 29 | TRYPTOPHAN | Fruit | 120.0 | 1715.0 | 1.2133545456738055 | -- |
| 8 | TYROSINE | Fruit | 350.0 | 5000.0 | 1.0696133056017336 | -- |
| 3 | VALINE | Fruit | 690.0 | 9860.0 | 1.1156133906137475 | -- |
| 77 | ZINC | Leaf | 0.5 | 73.0 | -0.07876582763346765 | -- |