

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Datura innoxia*

| Activities Count | Chemical                             | Plant Part | Low PPM  | High PPM | StdDev               | Refernce Citation |
|------------------|--------------------------------------|------------|----------|----------|----------------------|-------------------|
| 0                | FAT                                  | Seed       | 120000.0 | 220000.0 | -0.23907267817038622 | --                |
| 0                | ALKALOIDS                            | Leaf       | 2500.0   | 5500.0   | -0.2400729604691801  | --                |
| 0                | ALKALOIDS                            | Seed       | 2300.0   | 4400.0   | -0.5881491537121726  | --                |
| 27               | HYOSCYAMINE                          | Leaf       | 1410.0   | 3100.0   | 0.9999999999999999   | --                |
| 0                | ALKALOIDS                            | Fruit      | 1200.0   | 7700.0   | 0.40070804004796146  | --                |
| 41               | SCOPOLAMINE                          | Root       | 935.0    | 2340.0   | 1.76150963564944     | --                |
| 27               | HYOSCYAMINE                          | Root       | 860.0    | 1870.0   | -0.5896304390388216  | --                |
| 0                | METELOIDINE                          | Leaf       | 690.0    | 1515.0   |                      | --                |
| 41               | SCOPOLAMINE                          | Leaf       | 675.0    | 3850.0   | 1.5584824440731044   | --                |
| 27               | HYOSCYAMINE                          | Seed       | 480.0    | 925.0    | 1.0                  | --                |
| 41               | SCOPOLAMINE                          | Seed       | 200.0    | 205.0    | -0.9686723910413058  | --                |
| 0                | CUSCOHYGRINE                         | Root       | 195.0    | 1170.0   |                      | --                |
| 0                | DITIGLOYLTELOIDINE                   | Root       | 80.0     | 1015.0   |                      | --                |
| 0                | DITIGLOYLTELOIDINE                   | Leaf       | 75.0     | 1650.0   |                      | --                |
| 0                | DITIGLOYLTELOIDINE                   | Stem       | 60.0     | 600.0    |                      | --                |
| 0                | METELOIDINE                          | Root       | 40.0     | 390.0    |                      | --                |
| 0                | PSEUDOTROPINE                        | Plant      |          |          |                      | --                |
| 0                | (-)-3ALPHA,6BETA-DITIGLOYLOXYTROPANE | Plant      |          |          |                      | --                |
| 0                | PROTEIN                              | Seed       |          | 200000.0 | -0.30063352286822675 | --                |
| 0                | 3ALPHA,6BETA-DITIGLOYLOXYTROPANE     | Plant      |          |          |                      | --                |
| 0                | ALKALOIDS                            | Root       |          | 3900.0   | -0.7308663556020021  | --                |
| 0                | NORHYOSCYAMINE                       | Plant      |          |          |                      | --                |
| 1                | TROPINE                              | Plant      |          |          |                      | --                |
| 0                | DATURANOLONE                         | Plant      |          |          |                      | --                |
| 7                | TIGLOIDINE                           | Plant      |          |          |                      | --                |
| 0                | DATURADIOL                           | Plant      |          |          |                      | --                |
| 0                | ALKALOIDS                            | Flower     |          | 5170.0   | 0.014409551002979656 | --                |

| Activities Count | Chemical                          | Plant Part     | Low PPM | High PPM | StdDev               | Refernce Citation          |
|------------------|-----------------------------------|----------------|---------|----------|----------------------|----------------------------|
| 44               | SCOPOLETIN                        | Plant          |         |          |                      | --                         |
| 27               | HYOSCYAMINE                       | Shoot          |         | 1840.0   |                      | --                         |
| 0                | 7-HYDROXY-3,6-DITIGLOYLOXYTROPANE | Plant          |         |          |                      | --                         |
| 41               | SCOPOLAMINE                       | Shoot          |         | 1660.0   |                      | --                         |
| 22               | BETULINIC-ACID                    | Tissue Culture |         |          |                      | Jim Duke's personal files. |
| 51               | ATROPINE                          | Plant          |         |          |                      | --                         |
| 2                | APOATROPINE                       | Plant          |         |          |                      | --                         |
| 27               | HYOSCYAMINE                       | Flower         |         | 1880.0   |                      | --                         |
| 0                | ALKALOIDS                         | Stem           |         | 3000.0   | -0.32067405254691705 | --                         |
| 41               | SCOPOLAMINE                       | Flower         |         | 670.0    |                      | --                         |
| 0                | ALKALOIDS                         | Shoot          |         | 6010.0   | 0.05666781419110804  | --                         |