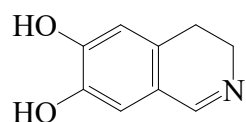




>>Entry Name: 3,4-Dihydro-6,7-dihydroxyisoquinoline

Synonym(s): 3,4-Dihydro-6,7-isoquinolinediol



**Molecular Formula:** C<sub>9</sub>H<sub>9</sub>NO<sub>2</sub>

**Molecular Weight:** 163.176

**Accurate Mass:** 163.063329

**Percentage Composition:** C 66.25%; H 5.56%; N 8.58%; O 19.61%

>>Derivative: Di-Me ether

Synonym(s): 3,4-Dihydro-6,7-dimethoxyisoquinoline, 9Cl. **Dehydroheliamine**

**CAS Registry Number:** 3382-18-1

**Molecular Formula:** C<sub>11</sub>H<sub>13</sub>NO<sub>2</sub>

**Molecular Weight:** 191.229

**Accurate Mass:** 191.094629

**Percentage Composition:** C 69.09%; H 6.85%; N 7.32%; O 16.73%

**Biological Source:** Trace alkaloid from *Carnegiea gigantea* (Cactaceae)

**Physical Description:** Cryst. (EtOH/Et<sub>2</sub>O)(as hydrochloride)

**Melting Point:** Mp 194-196° (hydrochloride)

>>Derivative: N,O<sup>7</sup>-Di-Me

Synonym(s): 3,4-Dihydro-6-hydroxy-7-methoxy-2-methylisoquinolinium(1+), 9Cl. **Isopycnarrhine**

**CAS Registry Number:** 107882-22-4

**Molecular Formula:** C<sub>11</sub>H<sub>14</sub>NO<sub>2</sub><sup>(+)</sup>

**Molecular Weight:** 192.237

**Accurate Mass:** 192.102454

**Percentage Composition:** C 68.73%; H 7.34%; N 7.29%; O 16.65%

**Biological Source:** Alkaloid from the bark of *Popowia pisocarpa* (Annonaceae)

**Physical Description:** Oil

**Other Data:** Prob. isol. as the internal salt with the phenolic OH group (= hydroxide)

>>Derivative: N,O<sup>6</sup>-Di-Me

Synonym(s): 3,4-Dihydro-7-hydroxy-6-methoxy-2-methylisoquinolinium(1+), 9Cl. **Pycnarrhine**. 1,2-Dehydrocorypalline

**CAS Registry Number:** 72142-82-6

**Molecular Formula:** C<sub>11</sub>H<sub>14</sub>NO<sub>2</sub><sup>(+)</sup>

**Molecular Weight:** 192.237

**Accurate Mass:** 192.102454

**Percentage Composition:** C 68.73%; H 7.34%; N 7.29%; O 16.65%

**Biological Source:** Alkaloid from *Pycnarrhena longifolia*, *Corydalis ophiocarpa*, *Corydalis stricta*, *Arcangelisia flava* and *Xylopi vieillardii*

>>Derivative: N,O<sup>6</sup>-Di-Me, chloride

**CAS Registry Number:** 69734-98-1

**Molecular Formula:** C<sub>11</sub>H<sub>14</sub>ClNO<sub>2</sub>

**Molecular Weight:** 227.69

**Accurate Mass:** 227.071306

**Percentage Composition:** C 58.03%; H 6.20%; Cl 15.57%; N 6.15%; O 14.05%

**Physical Description:** Glistening yellow platelets (MeOH/Me<sub>2</sub>CO)

**Melting Point:** Mp 187° (dec.)(sinters at 155°)

>>Derivative: N,O<sup>6</sup>-Di-Me, iodide

**CAS Registry Number:** 21885-30-3

**Molecular Formula:** C<sub>11</sub>H<sub>14</sub>INO<sub>2</sub>

**Molecular Weight:** 319.142

**Accurate Mass:** 319.006927

**Percentage Composition:** C 41.40%; H 4.42%; I 39.76%; N 4.39%; O 10.03%

**Physical Description:** Yellow cryst. (MeOH)

**Melting Point:** Mp 216-218° (211-212.5°)