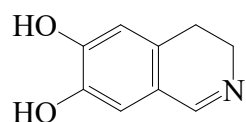




>>Entry Name: 3,4-Dihydro-6,7-dihydroxyisoquinoline

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



Molecular Formula: C₉H₉NO₂

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: C₁₁H₁₃NO₂

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/Et₂O)(as hydrochloride)

Melting Point: Mp 194-196° (hydrochloride)

>>Derivative: *N,O*⁷-Di-Me

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

CAS Registry Number: 107882-22-4

Molecular Formula: C₁₁H₁₄NO₂⁽⁺⁾

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*⁶-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: C₁₁H₁₄NO₂⁽⁺⁾

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*⁶-Di-Me, chloride

CAS Registry Number: 69734-98-1

Molecular Formula: C₁₁H₁₄ClNO₂

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/Me₂CO)

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

>>Derivative: *N,O*⁶-Di-Me, iodide

CAS Registry Number: 21885-30-3

Molecular Formula: C₁₁H₁₄INO₂

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°)