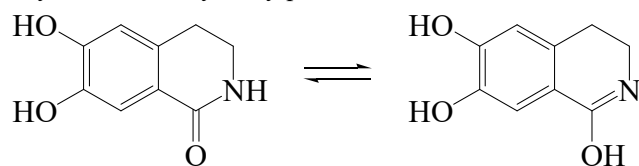




>>Entry Name: **3,4-Dihydro-6,7-dihydroxy-1(2H)-isoquinolinone**

Synonym(s): 3,4-Dihydro-1,6,7-isoquinolinetriol. 3,4-Dihydro-1,6,7-trihydroxyquinoline



Molecular Formula: C₉H₉NO₃

Molecular Weight: 179.175

Accurate Mass: 179.058244

Percentage Composition: C 60.33%; H 5.06%; N 7.82%; O 26.79%

>>Derivative: 6-Me ether

Synonym(s): 3,4-Dihydro-7-hydroxy-6-methoxy-1(2H)-isoquinolinone. **Northalifoline**

CAS Registry Number: 157669-72-2

Molecular Formula: C₁₀H₁₁NO₃

Molecular Weight: 193.202

Accurate Mass: 193.073894

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Biological Source: Alkaloid from pedicels of *Lindera megaphylla* (Lauraceae)

Physical Description: Rods (MeOH/Me₂CO)

Melting Point: Mp 222-224°

>>Derivative: 6-Me ether, *N*-Me

Synonym(s): **Thalifoline**

CAS Registry Number: 21796-15-6

Molecular Formula: C₁₁H₁₃NO₃

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Biological Source: Alkaloid from the roots of *Thalictrum minus* var. *adiantifolium*, and from the leaves, stems, roots and fruit of *Cryptocarya longifolia* (Ranunculaceae, Lauraceae)

Physical Description: Prisms (MeOH)

Melting Point: Mp 220°. Mp 210-211°

>>Derivative: Di-Me ether

Synonym(s): 3,4-Dihydro-6,7-dimethoxy-1(2H)-isoquinolinone. 3,4-Dihydro-6,7-dimethoxyisocarbostyryl. **Corydaldine**

CAS Registry Number: 493-49-2

Molecular Formula: C₁₁H₁₃NO₃

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

General Statement: See also Corydaline [CFS68-O](#)

Biological Source: Alkaloid from *Berberis baluchistanica* and *Enantia polycarpa* (Berberidaceae, Annonaceae)

Physical Description: Needles (butanone), prisms (C₆H₆)

Melting Point: Mp 174-175°

>>Derivative: Di-Me ether, *N*-Me

Synonym(s): 3,4-Dihydro-6,7-dimethoxy-2-methyl-1(2H)-isoquinolinone. ***N*-Methylcorydaldine**

CAS Registry Number: 6514-05-2

Molecular Formula: C₁₂H₁₅NO₃

Molecular Weight: 221.255

Accurate Mass: 221.105194

Percentage Composition: C 65.14%; H 6.83%; N 6.33%; O 21.69%

Biological Source: Alkaloid from *Hernandia ovigera*, *Papaver bracteatum*, *Papaver urbanianum* and *Thalictrum fendleri* (Hernandiaceae, Papaveraceae, Ranunculaceae). Also obt. by degradn. of Warifteine [GPG95-W](#), Thaliracebine [BCG91-C](#) and Adiantifoline [CDH76-Y](#)

Physical Description: Cryst. (MeOH, EtOH or petrol)

Melting Point: Mp 125-126° (120.5°)

References: