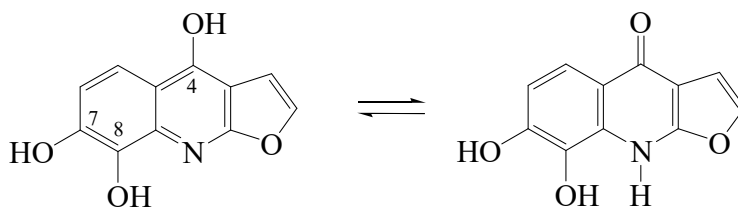




>>Entry Name: Furo[2,3-*b*]quinoline-4,7,8-triol

Synonym(s): 4,7,8-Trihydroxyfuro[2,3-*b*]quinoline. 7,8-Dihydroxyfuro[2,3-*b*]quinolin-4(9*H*)one



Molecular Formula: C₁₁H₇NO₄

Molecular Weight: 217.181

Accurate Mass: 217.037509

Percentage Composition: C 60.83%; H 3.25%; N 6.45%; O 29.47%

>>Variant: *OH*-form

Molecular Formula: C₁₁H₇NO₄

Molecular Weight: 217.181

Accurate Mass: 217.037509

Percentage Composition: C 60.83%; H 3.25%; N 6.45%; O 29.47%

>>Derivative: 4,7-Di-Me ether

Synonym(s): 4,7-Dimethoxyfuro[2,3-*b*]quinolin-8-ol. 8-Hydroxy-4,7-dimethoxyfuro[2,3-*b*]quinoline. **Isohaplopine**. 8-Hydroxy-7-methoxydictamnine

CAS Registry Number: 62580-17-0

Molecular Formula: C₁₃H₁₁NO₄

Molecular Weight: 245.234

Accurate Mass: 245.068809

Percentage Composition: C 63.67%; H 4.52%; N 5.71%; O 26.10%

Biological Source: Alkaloid from the leaves of *Zanthoxylum arborescens* and *Teclea simplicifolia* (Rutaceae)

Physical Description: Cryst. (hexane/EtOAc), plates (Me₂CO/petrol)

Melting Point: Mp 129-130° (121-123°)

>>Derivative: 4,8-Di-Me ether

Synonym(s): 7-Hydroxy-4,8-dimethoxyfuro[2,3-*b*]quinoline. 4,8-Dimethoxyfuro[2,3-*b*]quinolin-7-ol. **Haplopine**. 7-Hydroxy-8-methoxydictamnine

CAS Registry Number: 5876-17-5

Molecular Formula: C₁₃H₁₁NO₄

Molecular Weight: 245.234

Accurate Mass: 245.068809

Percentage Composition: C 63.67%; H 4.52%; N 5.71%; O 26.10%

Biological Source: Alkaloid from *Haplophyllum robustum*, *Zanthoxylum cuspidatum*, *Monnieria trifolia* and *Melicope lasioneura* (Rutaceae)

Melting Point: Mp 203-204°

>>Derivative: 4,8-Di-Me ether, 7-*O*-β-D-glucopyranoside

Synonym(s): **Glycohaplopine**. Glucohaplopine

CAS Registry Number: 74201-15-3

Molecular Formula: C₁₉H₂₁NO₉

Molecular Weight: 407.376

Accurate Mass: 407.121634

Percentage Composition: C 56.02%; H 5.20%; N 3.44%; O 35.35%

Biological Source: Alkaloid from the aerial parts of *Haplophyllum perforatum* (Rutaceae)

Melting Point: Mp 217-218°

Optical Rotation: [α]_D -41 (c, 0.516 in Py)