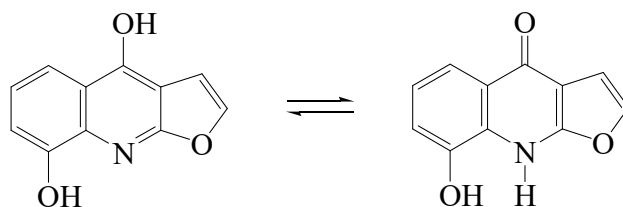




>>Entry Name: Furo[2,3-*b*]quinoline-4,8-diol

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



Molecular Formula: C₁₁H₇NO₃

Molecular Weight: 201.181

Accurate Mass: 201.042594

Percentage Composition: C 65.67%; H 3.51%; N 6.96%; O 23.86%

>>Variant: *OH*-form

Molecular Formula: C₁₁H₇NO₃

Molecular Weight: 201.181

Accurate Mass: 201.042594

Percentage Composition: C 65.67%; H 3.51%; N 6.96%; O 23.86%

>>Derivative: 4-Me ether

Synonym(s): 4-Methoxyfuro[2,3-*b*]quinolin-8-ol, 9Cl. 8-Hydroxy-4-methoxyfuro[2,3-*b*]quinoline. **Robustine**‡. 8-Hydroxydictamnine

CAS Registry Number: 2255-50-7

Molecular Formula: C₁₂H₉NO₃

Molecular Weight: 215.208

Accurate Mass: 215.058244

Percentage Composition: C 66.97%; H 4.22%; N 6.51%; O 22.30%

Biological Source: Alkaloid from *Thamnosma montana*, *Dictamnus caucasicus*, *Haplophyllum robustum* and *Zanthoxylum* spp. (Rutaceae)

Physical Description: Cryst. (EtOH or C₆H₆)

Melting Point: Mp 147-148° (142-143°)

>>Derivative: 4-Me ether; hydrochloride

Physical Description: Cryst. (EtOH)

Melting Point: Mp 199-200°

>>Derivative: 4-Me ether, picrate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 179-180°

>>Derivative: Di-Me ether

Synonym(s): 4,8-Dimethoxyfuro[2,3-*b*]quinoline. **γ-Fagarine**. Haplopine. 8-Methoxydictamnine

CAS Registry Number: 524-15-2

Molecular Formula: C₁₃H₁₁NO₃

Molecular Weight: 229.235

Accurate Mass: 229.073894

Percentage Composition: C 68.11%; H 4.84%; N 6.11%; O 20.94%

Biological Source: Alkaloid from *Fagara coco*, *Aegle marmelos* and *Haplophyllum* spp. (Rutaceae)

Physical Description: Pale-yellow prisms (petrol)

Melting Point: Mp 142°

Solubility: BERDY SOL: Poorly sol. hexane

UV: [neutral] λ_{max} 203 (); 243 (); 310 (); 325 () (MeOH) (Berdy) [neutral] λ_{max} 244 (ε 56210); 290 (ε 5250); 311 (ε 6610); 327 (ε 5750); 340 (ε 4900) (EtOH) (Berdy)

>>Derivative: Di-Me ether, picrate

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 177°