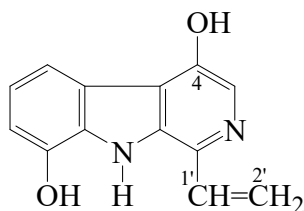




>>Entry Name: 4,8-Dihydroxy-1-vinyl-β-carboline

ENTRY UNDER REVIEW

Synonym(s): 1-Ethenyl-9*H*-pyrido[3,4-*b*]indole-8,9-diol, 9Cl



Molecular Formula: C₁₃H₁₀N₂O₂

Molecular Weight: 226.234

Accurate Mass: 226.074228

Percentage Composition: C 69.02%; H 4.46%; N 12.38%; O 14.14%

>>Derivative: 4-Me ether

Synonym(s): 8-Hydroxy-4-methoxy-1-vinyl-β-carboline. **Picrasidine I.** 8-Hydroxydehydrocrenatine

CAS Registry Number: 100234-59-1

Type of Compound Code(s): VX4240

Molecular Formula: C₁₄H₁₂N₂O₂

Molecular Weight: 240.261

Accurate Mass: 240.089878

Percentage Composition: C 69.99%; H 5.03%; N 11.66%; O 13.32%

Biological Source: Alkaloid from the bark of *Picrasma quassioides* and *Picrasma javanica* (Simaroubaceae)

Physical Description: Plates (CHCl₃/MeOH)

Melting Point: Mp 240-241 dec.°

Other Data: The alkaloid from *Picrasma javanica* was originally assigned the isomeric 5-hydroxy struct. and named 5-Hydroxydehydrocrenatine (Arbain *et al*, 1987)

>>Derivative: 4-Me ether, Ac

Molecular Formula: C₁₆H₁₄N₂O₃

Molecular Weight: 282.298

Accurate Mass: 282.100443

Percentage Composition: C 68.08%; H 5.00%; N 9.92%; O 17.00%

Physical Description: Needles (Me₂CO)

Melting Point: Mp 180-183°

>>Derivative: Di-Me ether

Synonym(s): 1-Ethenyl-4,8-dimethoxy-9*H*-pyrido[3,4-*b*]indole. 4,8-Dimethoxy-1-vinyl-β-carboline. **Dehydrocrenatidine.** Kumujian G

CAS Registry Number: 65236-62-6

Type of Compound Code(s): VX4240

Molecular Formula: C₁₅H₁₄N₂O₂

Molecular Weight: 254.288

Accurate Mass: 254.105528

Percentage Composition: C 70.85%; H 5.55%; N 11.02%; O 12.58%

Biological Source: Alkaloid from root and bark of *Ailanthus malabarica* and heartwood of *Picrasma quassioides*

Physical Description: Brownish-yellow plates

Melting Point: Mp 157°

>>Derivative: 1',2'-Dihydro, 4-Me ether

Synonym(s): 1-Ethyl-8-hydroxy-4-methoxy-β-carboline. 1-Ethyl-4-methoxy-9*H*-pyrido[3,4-*b*]indol-8-ol, 9Cl. **Picrasidine J.** 8-Hydroxycrenatine

CAS Registry Number: 100234-62-6

Type of Compound Code(s): VX4240

Molecular Formula: C₁₄H₁₄N₂O₂

Molecular Weight: 242.277

Accurate Mass: 242.105528

Percentage Composition: C 69.41%; H 5.82%; N 11.56%; O 13.21%

Biological Source: Alkaloid from the bark of *Picrasma quassioides* and *Picrasma javanica* (Simaroubaceae)

Physical Description: Pale-yellow prisms (CHCl₃/MeOH)

Melting Point: Mp 212-213°

Other Data: Erroneously assigned the isomeric 5-hydroxy struct. when first isol. from *P. javanica* and named 5-Hydroxycrenatine