



>>Variant: (-)-form

Molecular Formula: C₁₈H₂₄N₂O₂

Molecular Weight: 300.4

Accurate Mass: 300.183778

Percentage Composition: C 71.97%; H 8.05%; N 9.33%; O 10.65%

>>Derivative: 2-Hydroxy

Synonym(s): (+)-Odorinol. Hydroxyroxburghiline

CAS Registry Number: 72755-22-7

Molecular Formula: C₁₈H₂₄N₂O₃

Molecular Weight: 316.399

Accurate Mass: 316.178693

Percentage Composition: C 68.33%; H 7.65%; N 8.85%; O 15.17%

Biological Source: Alkaloid from *Aglaia odorata* and *Aglaia roxburghiana* (Meliaceae)

Use/Importance: Inhibitor of P-388 lymphocytic leukaemia in mice

Physical Description: Needles (petrol)

Melting Point: Mp 166-168°

Optical Rotation: [α]_D²⁵ +40.5 (c, 0.01 in CHCl₃)

Solubility: BERDY SOL: Sol. EtOH, CHCl₃; poorly sol. H₂O

UV: [neutral] $\lambda_{\max}$ 283 (ϵ 15800) (EtOH) (Derep) [neutral] $\lambda_{\max}$ 283 (ϵ 17780) (EtOH) (Berdy)

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Source/Synthesis: Synthetic

Physical Description: Needles (C₆H₆)

Melting Point: Mp 187-190°

>>Derivative: 2-Epimer

Source/Synthesis: Synthetic

Physical Description: Needles (C₆H₆)

Melting Point: Mp 174-177°

References:

- Purushothaman, K.K. *et al.*, *J.C.S. Perkin I*, 1979, 3171-3174
Shiengthong, D. *et al.*, *Tet. Lett.*, 1979, 2247, (*uv, ir, pmr, ms, struct*)
Babidge, P.J. *et al.*, *Aust. J. Chem.*, 1980, **33**, 1841, (*isol, synth*)
Hayashi, N. *et al.*, *Phytochemistry*, 1982, **21**, 2371-2373, (*uv, ir, pmr, cmr, ms, cryst struct, synth*)
Nagasaka, T. *et al.*, *Heterocycles*, 1988, **27**, 2219, (*synth, ir, pmr*)
Saifah, E., *J. Nat. Prod.*, 1993, **56**, 473-477, (*5'-Epiodorine*)
Duh, C.-Y. *et al.*, *Phytochemistry*, 1993, **34**, 857, (*Dehydroodorine*)