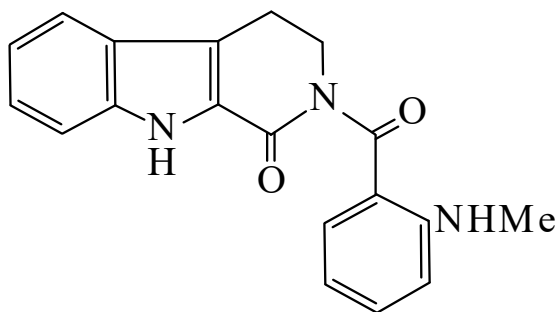




>>Entry Name: Rhetsinine

Synonym(s): 2,3,4,9-Tetrahydro-2-[2-(methylamino)benzoyl]-1*H*-pyrido[3,4-*b*]indol-1-one, 9Cl. 1,2,3,4-Tetrahydro-2-(2-methylaminobenzoyl)-1-oxo- β -carboline. Hydroxyevodiamine



CAS Registry Number: 526-43-2

Molecular Formula: C₁₉H₁₇N₃O₂

Molecular Weight: 319.362

Accurate Mass: 319.132077

Percentage Composition: C 71.46%; H 5.37%; N 13.16%; O 10.02%

Biological Source: Alkaloid from the trunk bark of *Zanthoxylum rhetsa* and the fruits of *Evodia rutaecarpa* (Rutaceae). Also obt. by the mild oxidn. of Evodiamine

Physical Description: Yellow cryst. (CHCl₃/EtOH)

Melting Point: Mp 206-207° (192° dec.)

>>Derivative: Hydrochloride

Physical Description: Yellow needles

Melting Point: Mp 228-229 dec.°

>>Derivative: Nitrate

Physical Description: Light orange-yellow needles (EtOH)

Melting Point: Mp 242-243 dec.°

>>Derivative: Picrate

Physical Description: Slender orange-yellow needles

Melting Point: Mp 270-272 dec.°

>>Derivative: Methiodide

Physical Description: Cryst. (EtOH)

Melting Point: Mp 220-221 dec.°

References:

Chatterjee, A. *et al.*, *Tetrahedron*, 1959, **7**, 257, (*isol, uv, ir*)

Gopinath, K.W. *et al.*, *Tetrahedron*, 1960, **8**, 293, (*isol*)

Pachter, I.J. *et al.*, *J.O.C.*, 1960, **25**, 1680, (*uv, synth, struct*)

Tschesche, R. *et al.*, *Tetrahedron*, 1967, **23**, 1873, (*isol*)