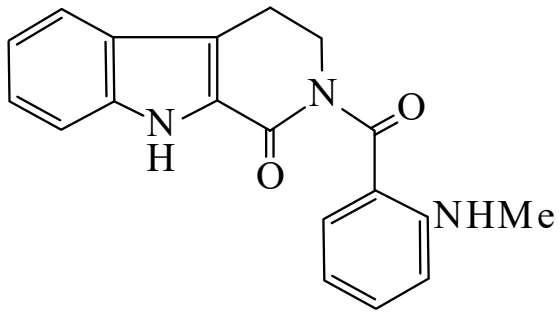
>>**Entry Name: Rhetsinine**

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: $C_{19}H_{17}N_3O_2$
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. ($CHCl_3$/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)*