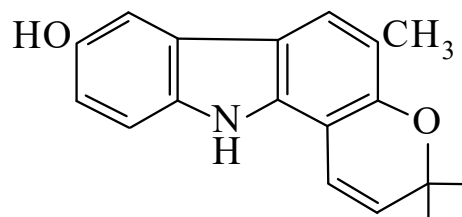




>>Entry Name: Koenine

Synonym(s): 3,11-Dihydro-3,3,5-trimethylpyrano[3,2-*a*]carbazol-8-ol, 9Cl. Kenine



CAS Registry Number: 28200-63-7

Molecular Formula: C₁₈H₁₇NO₂

Molecular Weight: 279.338

Accurate Mass: 279.125929

Percentage Composition: C 77.40%; H 6.13%; N 5.01%; O 11.46%

Biological Source: Alkaloid from the leaves of *Murraya koenigii* (Rutaceae)

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 250-252°

>>Derivative: *N*-Me

Melting Point: Mp 148°

>>Derivative: Me ether

Synonym(s): Koenimbine. 3,11-Dihydro-8-methoxy-3,3,5-trimethylpyrano[3,2-*a*]carbazole, 9Cl. Kenimbine

CAS Registry Number: 21087-98-9

Molecular Formula: C₁₉H₁₉NO₂

Molecular Weight: 293.365

Accurate Mass: 293.141579

Percentage Composition: C 77.79%; H 6.53%; N 4.77%; O 10.91%

Biological Source: Alkaloid from leaves and fruits of *Murraya koenigii* and from stem bark of *Murraya exotica* (Rutaceae)

Physical Description: Cryst. (hexane or CHCl₃/hexane)

Melting Point: Mp 194-195°

References:

Narasimhan, N.S. *et al.*, *Tet. Lett.*, 1968, 5501, (*isol, uv, pmr, ms, struct*)

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Joshi, B.S. *et al.*, *Tetrahedron*, 1970, **26**, 1475, (*isol, uv, ir, struct*)

Narasimhan, N.S. *et al.*, *Indian J. Chem.*, 1975, **13**, 993, (*isol, uv, ir, pmr, ms, struct, synth*)

Roy, S. *et al.*, *J. Indian Chem. Soc.*, 1981, **58**, 1212, (*isol*)