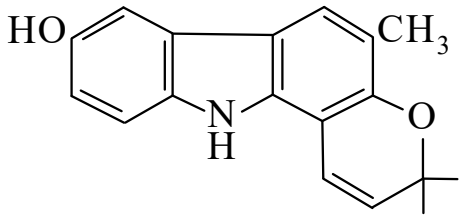
>>**Entry Name: Koenine**
Synonym(s): 3,11-Dihydro-3,3,5-trimethylpyrano[3,2-*a*]carbazol-8-ol, 9CI. Kenine



CAS Registry Number: 28200-63-7

Molecular Formula: $C_{18}H_{17}NO_2$
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. (C_6H_6)
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, 9CI. Kenimbine

CAS Registry Number: 21087-98-9

Molecular Formula: $C_{19}H_{19}NO_2$
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 $CHCl_3$/hexane)
Melting Point: Mp 194-195°

References:

Narasimhan, N.S. *et al.*, *Tet. Lett.*, 1968, 5501, *(isol, uv, pmr, ms, struct)*
Kureel, S.P. *et al.*, *Chem. Ind. (London)*, 1970, 1262, *(synth)*
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)*