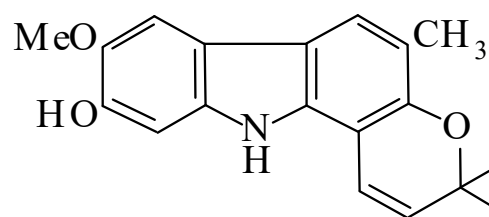




>>Entry Name: Koenigine

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



CAS Registry Number: 28513-33-9

Molecular Formula: C₁₉H₁₉NO₃

Molecular Weight: 309.364

Accurate Mass: 309.136494

Percentage Composition: C 73.77%; H 6.19%; N 4.53%; O 15.52%

Biological Source: Alkaloid from the leaves of *Murraya koenigii*, and from the leaves and stems of *Micromelum zeylanicum* (Rutaceae)

Physical Description: Cryst. (EtOH), needles (hexane/EtOH)

Melting Point: Mp 183-185°

>>Derivative: Me ether

Synonym(s): Koenigicine. 3,11-Dihydro-8,9-dimethoxy-3,3,5-trimethylpyrano[3,2-*a*]carbazole, 9Cl. Koenidine. Koenimbidine. Kenigicine. Kenidine. Kenimbidine

CAS Registry Number: 24123-92-0

Molecular Formula: C₂₀H₂₁NO₃

Molecular Weight: 323.391

Accurate Mass: 323.152144

Percentage Composition: C 74.28%; H 6.54%; N 4.33%; O 14.84%

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

Physical Description: Cryst. (EtOH)

Melting Point: Mp 224-225°

Other Data: Subl. at 210°/0.5 mm

>>Derivative: *O,N*-Di-Me

Physical Description: Cryst. (EtOH)

Melting Point: Mp 190-191°

>>Derivative: Me ether, dihydro

Physical Description: Cryst. (hexane)

Melting Point: Mp 237°

References:

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

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

Sharma, R.B. *et al.*, *Experientia*, 1980, **36**, 815, (*synth, Koenigicine*)

Bowen, I.H. *et al.*, *Phytochemistry*, 1982, **21**, 433, (*isol, ms*)