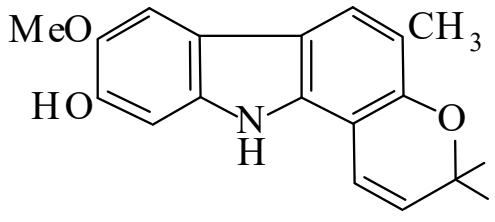
>>**Entry Name: Koenigine**
Synonym(s): 3,11-Dihydro-8-methoxy-3,3,5-trimethylpyrano[3,2-*a*]carbazol-9-ol, 9CI. Kenigine



CAS Registry Number: 28513-33-9

Molecular Formula: $C_{19}H_{19}NO_3$
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, 9CI. Koenidine. Koenimbidine. Kenigicine. Kenidine. Kenimbidine
CAS Registry Number: 24123-92-0

Molecular Formula: $C_{20}H_{21}NO_3$
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)*