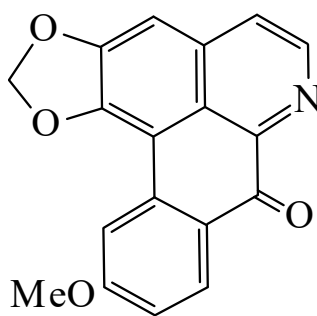




>>Entry Name: Oxolaureline

Synonym(s): 10-Methoxyliriodenine. Lauterine



CAS Registry Number: 28200-65-9

Molecular Formula: $C_{18}H_{11}NO_4$

Molecular Weight: 305.289

Accurate Mass: 305.068809

Percentage Composition: C 70.82%; H 3.63%; N 4.59%; O 20.96%

Biological Source: Alkaloid from the stem bark of *Guatteria elata* and *Laurelia novae-zelandiae* and from *Magnolia soulangeana* (Annonaceae, Atherospermataceae, Magnoliaceae). Also isol. from roots of *Miliusa* cf. *banacea* (Annonaceae)

Physical Description: Yellow needles ($CHCl_3$)

Melting Point: Mp 301-303 dec.°

UV: [neutral] λ_{max} 247 (); 309 (); 343 (); 405 () (MeOH) (Berdy)

>>Derivative: O-De-Me

Synonym(s): 10-Hydroxyliriodenine. Demethyloxolaureline. Demethylauterine

CAS Registry Number: 154659-89-9

Molecular Formula: $C_{17}H_9NO_4$

Molecular Weight: 291.262

Accurate Mass: 291.053159

Percentage Composition: C 70.10%; H 3.11%; N 4.81%; O 21.97%

Biological Source: Alkaloid from roots of *Miliusa* cf. *banacea* (Annonaceae)

Physical Description: Orange amorph. solid

References:

- Govindachari, T.R. *et al.*, *Indian J. Chem.*, 1970, **8**, 475, (*synth, uv*)
Ziyaev, R. *et al.*, *Khim. Prir. Soedin.*, 1975, **11**, 528; *Chem. Nat. Compd. (Engl. Transl.)*, 1975, **11**, 560, (*isol*)
Urzúa, A. *et al.*, *Heterocycles*, 1976, **4**, 1881, (*isol, ir, pmr*)
Hsu, C.C. *et al.*, *J. Nat. Prod.*, 1977, **40**, 152, (*isol, uv, ir, pmr, ms*)
Harrigan, G.G. *et al.*, *J. Nat. Prod.*, 1994, **57**, 68, (*10-Hydroxyliriodenine*)