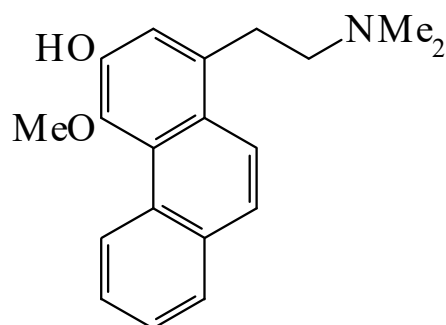




>>Entry Name: Argentinine

Synonym(s): 1-[2-(Dimethylamino)ethyl]-4-methoxy-3-phenanthrenol, 9Cl. 1-(2-Dimethylaminoethyl)-3-hydroxy-4-methoxyphenanthrene



CAS Registry Number: 16625-57-3

Molecular Formula: C₁₉H₂₁NO₂

Molecular Weight: 295.38

Accurate Mass: 295.157229

Percentage Composition: C 77.26%; H 7.17%; N 4.74%; O 10.83%

Biological Source: Alkaloid from the roots of *Aristolochia argentina*, the leaves of *Enantia chlorantha*, the stem bark and leaves of *Annona montana* and from *Monodora angolensis* (Aristolochiaceae, Annonaceae)

Physical Description: Oil

>>Derivative: Oxalate

Melting Point: Mp 176-177°

>>Derivative: Picrate

Melting Point: Mp 235-236°

>>Derivative: N-Oxide

Synonym(s): Argentinine N-oxide

CAS Registry Number: 138690-45-6

Molecular Formula: C₁₉H₂₁NO₃

Molecular Weight: 311.38

Accurate Mass: 311.152144

Percentage Composition: C 73.29%; H 6.80%; N 4.50%; O 15.41%

Biological Source: Alkaloid from *Monocyclanthus vignei* (Annonaceae)

Physical Description: Oil

Other Data: Possible artifact

References:

Priestap, H.A. *et al.*, *Chem. Comm.*, 1967, 754, (*isol, uv, pmr, struct*)

Priestap, H.A. *et al.*, *An. Asoc. Quim. Argent.*, 1972, **60**, 309; *CA*, **77**, 164898q, (*isol, uv, pmr, struct*)

Leboeuf, M. *et al.*, *Plant. Med. Phytother.*, 1974, **8**, 147

Hamonnière, M. *et al.*, *Plant. Med. Phytother.*, 1975, **9**, 296

Yang, T.-H. *et al.*, *Proc. Natl. Sci. Counc., Repub. China*, 1979, **3**, 63; *CA*, **90**, 200312y, (*isol*)

Achenbach, H. *et al.*, *J. Nat. Prod.*, 1991, **54**, 1331, (*N-oxide*)