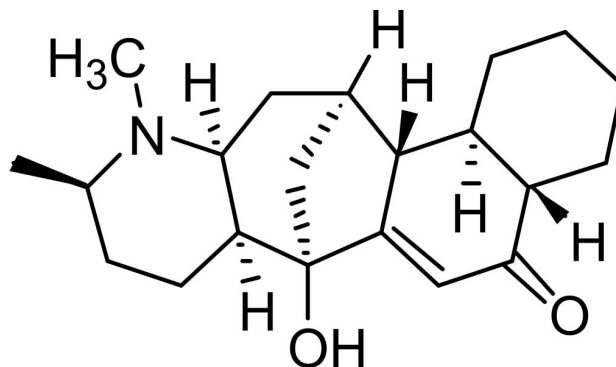


Himbadine

Code No.: BIA-H1745

Pack sizes.: 1mg, 5mg



Synonyms:

-

Specifications

CAS #	: 24932-15-8
Molecular Formula	: C₂₁H₃₁NO₂
Molecular Weight	: 329.48
Source	: -
Appearance	: Off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Himbadine is a piperidine alkaloid with a polycyclic scaffold first isolated from *Galbulimima* sp. a magnolia species native to northern Australia and South East Asia, and reported in 1967 by Ritchie and co-workers, University of Sydney, Australia. The bioactivity of himbadine has not been extensively investigated but its close structural relationship to other *Galbulimima* alkaloids suggests a possible affinity for muscarinic receptors.

References

1. The chemical constituents of *Himantandra* species. II. The isolation of the alkaloids of *Himantandra baccata* and *Himantandra belgraveana*. Brown R.F.C. et al., *Aust. J. Chem.* 1956, 9, 283.
2. The chemical constituents of *Galbulimima* species IX. The structures of himbadine and alkaloid G.B. 13. Mander L.N. et al., *Aust. J. Chem.* 1967, 20, 1473.
3. Structures of new alkaloids from rain forest trees *Galbulimima belgraveana* and *Galbulimima baccata* in Papua New Guinea, Indonesia, and Northern Australia. Lan P. et al., *ACS Omega* 2018, 3, 1912.