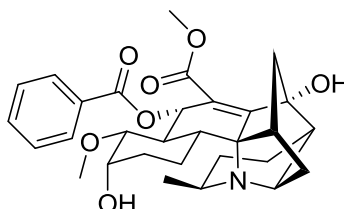


Himandridine

Code No.: **BIA-H1746**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms : Himandreline, NSC 23972

Specifications

CAS #	: 15521-76-3
Molecular Formula	: C ₃₀ H ₃₇ NO ₇
Molecular Weight	: 523.6
Source	: <i>Galbulimima</i> sp.
Appearance	: Beige solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Himandridine is a piperidine alkaloid with a complex polycyclic scaffold first isolated from *Galbulimia* sp., a magnolia native to northern Australia and South East Asia, and reported in 1967 by Ritchie and co-workers, University of Sydney, Australia. There are no specific reports of himandridine's biological activity, however the related himbacine and analogues inhibit muscarinic receptors with 10-fold selectivity for M2 over M1 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. Progress toward the syntheses of (+)-GB 13, (+)-himgaline, and himandridine. New insights into intramolecular imine/enamine aldol cyclizations. Evans D.A. et al., J. Am. Chem. Soc. 2012, 134, 8162.
3. Himbacine analogs as muscarinic receptor antagonists - effects of tether and heterocyclic variations. Chackalamannil S. et al., Bioorg. Med. Chem. Lett. 2004, 15, 3967.