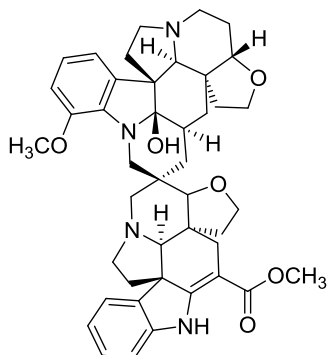


Vobtusine

Code No.: **BIA-V1749**

Pack sizes: **1 mg, 5 mg**



Synonyms : Vobtusin, NSC 180540

Specifications

CAS #	: 19772-79-3
Molecular Formula	: C₄₃H₅₀N₄O₆
Molecular Weight	: 718.9
Source	: <i>Voacanga papuana</i>
Appearance	: Beige solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Vobtusine is a dimeric indole alkaloid derived from the various species of *Voacanga*, indigenous to Africa, first reported in 1955. In the Pacific region, vobtusine was successfully isolated from the tree, *Voacanga papuana*, indigenous to New Guinea by Ritchie and Taylor, University of Sydney, Australia in 1965. The structure of vobtusine was elucidated by researchers at University of Zurich and Geigy (now Novartis) in 1966. Apart from the initial report of the in vivo sympathetic nervous system effects of the extract containing voacangine, voacamine and vobtusine, there are no reports of its specific biological activity. Several deoxy analogues of vobtusin are cholinesterase inhibitors and are active against *Mycobacterium tuberculosis*.

References

1. Pharmacology of the alkaloids of *Voacanga* species. Quevauviller A. et al., Annales Pharmaceutiques Francaises, 1955, 13, 423.
2. Zur chimie des beninins und des vobtusins. Gorman A.A. et al. Helv. Chim. Acta 1966, 49, 2072.
3. Some constituents of *Rejoua aurantiaca* Gaud. and *Voacanga papuana* (F. Muell.) K. Schum. Guise G.B. et al., Aust. J. Chem. 1965, 18, 927.
4. *Mycobacterium tuberculosis* and cholinesterase inhibitors from *Voacanga globosa*. Macabeo A.P. et al., Eur. J. Med. Chem. 2011, 46, 3118.