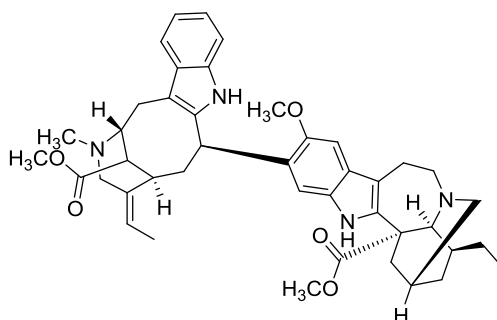


Voacamine

Code No.: **BIA-V1751**

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



Synonyms : MMH 18, Malarex, NSC 82591, Voacanginine

Specifications

CAS #	: 3371-85-5
Molecular Formula	: C ₄₃ H ₅₂ N ₄ O ₅
Molecular Weight	: 703.9
Source	: <i>Voacanga papuana</i>
Appearance	: Brown solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Voacamine is an indole alkaloid derived from members of the *Voacanga* species, indigenous to Africa. In the Pacific region, voacamine was successfully isolated from the small tree, *Voacanga papuana*, indigenous to New Guinea by Ritchie and Taylor, University of Sydney, Australia in 1965. Voacamine enhances the cytotoxic effect of vinblastine against multidrug resistant KB cells. Voacamine enhances the cytotoxic effect of vinblastine against multidrug resistant KB cells, and is active against protozoa, including *Plasmodium falciparum*, *Leishmania donovani* and *Trypanosoma cruzi*, inhibiting protozoal topoisomerase IB.

References

1. Pharmacology of the alkaloids of *Voacanga* species. Quevauviller A. et al., *Annales Pharmaceutiques Francaises* 1955, 13, 423.
2. Some constituents of *Rejoua aurantiaca* Gaud. and *Voacanga papuana* (F. Muell.) K. Schum. Guise G.B. et al., *Aust. J. Chem.* 1965, 18, 927.
3. Indole alkaloids from *Peschiera laeta* that enhance vinblastine-mediated cytotoxicity with multidrug-resistant cells. You M. et al., *J. Nat. Prod.* 1994, 57, 1517.
4. Biological activities of the plant-derived bisindole voacamine with reference to malaria. Ramanitrahambola D. et al., *Phytother. Res.* 2001, 15, 30.