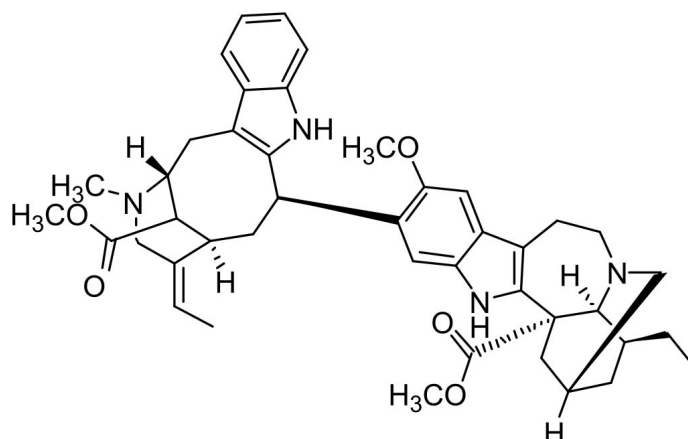


Voacamine

Code No.: BIA-V1751

Pack sizes.: 1mg, 5mg



Synonyms:

MMH 18, Malarex, NSC 82591, Voacanginine

Specifications

CAS #	: 3371-85-5
Molecular Formula	: C43H52N4O5
Molecular Weight	: 703.9
Source	: -
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.