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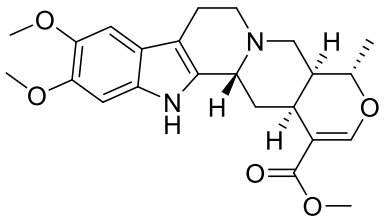
PRODUCT DATA SHEET

Reserpiline

Code No.: **BIA-R1946**

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



Synonyms : (-)-Reserpiline, Elliptamine, Reserpilin

Specifications

CAS #	:	**131-02-2**
Molecular Formula	:	**$C_{23}H_{28}N_2O_5$**
Molecular Weight	:	**412.48**
Source	:	***Neisosperma poweri***
Appearance	:	**Cream solid**
Purity	:	**>95% by HPLC**
Long Term Storage	:	**-20°C**
Solubility	:	**Soluble in methanol or DMSO**

Application Notes

Reserpiline (elliptamine) is an indole alkaloid metabolite of Rauwolfia sp. and Neiosprema poweri, identified as a hypotensive agent in the mid 1900s. Reserpiline is active against the bovine filarial parasite Setaria cervi in vitro, supported by in silico docking analysis on glutathione-S-transferase (GST) enzyme of Wuchereria bancrofti. The bioprofile of reserpiline has not been extensively investigated.

References

1. Alkaloids of Ochrosia poweri. Stereochemistry of poweridine and the identity of elliptamine and reserpiline. Johns S.R. et al. Aust J Chem. 1975, 28, 1627.
2. Reserpiline, a hypotensive but nontranquilizing alkaloid. La Barre J. et al. Comptes Rendus des Seances de la Societe de Biologie et de Ses Filiales 1958, 152, 533.
3. In-vitro and in silico efficacy of isolated alkaloid compounds from Rauvolfia tetraphylla L. against bovine filarial parasite Setaria cervi: a drug discovery approach. Behera D.R. & Bhatnagar S. J Parasitic Dis. 2019, 43, 103.

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