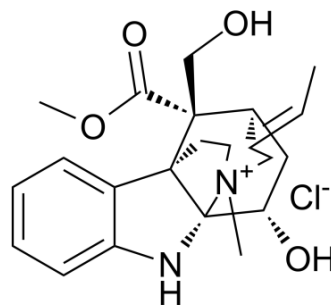


Echitamine chloride

Cat. No.:	HY-N3797A
CAS No.:	6878-36-0
Molecular Formula:	C ₂₂ H ₂₉ ClN ₂ O ₄
Molecular Weight:	420.93
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Echitamine chloride is the major monoterpene indole alkaloid present in <i>Alstonia</i> with potent anti-tumour activity. Echitamine chloride induces DNA fragmentation and cells apoptosis. Echitamine chloride inhibits pancreatic lipase with an IC ₅₀ of 10.92 μM ^{[1][2]} .
IC₅₀ & Target	IC ₅₀ : 10.92 μM (Pancreatic lipase) ^[2]

REFERENCES

- [1]. Ganesh Chandra Jagetia, et al. Evaluation of the Cytotoxic Effect of the Monoterpene Indole Alkaloid Echitamine In-Vitro and in Tumour-Bearing Mice. *J Pharm Pharmacol.* 2005 Sep;57(9):1213-9.
- [2]. Ginson George, et al. Development and Validation of a New HPTLC-HRMS Method for the Quantification of a Potent Pancreatic Lipase Inhibitory Lead Echitamine From *Alstonia scholaris*. *Nat Prod Res.* 2019 Dec 24;1-5.

Caution: Product has not been fully validated for medical applications. For research use only.

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