

Product Data Sheet

Product Name: Echitamine chloride

Cat. No.: GC63871

Chemical Properties

Cas. No. 6878-36-0

Formula C₂₂H₂₉ClN₂O₄

M.Wt 420.93

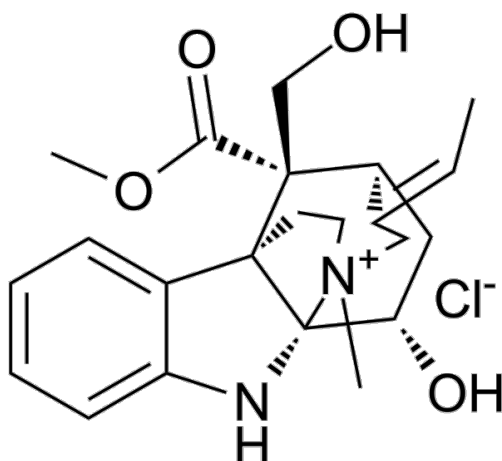
Solubility

Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Echitamine chloride is the major monoterpene indole alkaloid present in *Alstonia* with potent anti-tumour activity. Echitamine chloride induces DNA fragmentation and cells apoptosis. Echitamine chloride inhibits pancreatic lipase with an IC₅₀ of 10.92 μM [1][2].

[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

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

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Quantification of a Potent Pancreatic Lipase Inhibitory Lead Echitamine From *Alstonia scholaris*. Nat Prod Res. 2019 Dec 24;1-5.

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