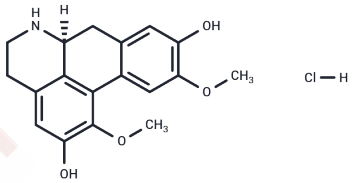
Data Sheet (Cat.No.T19403)

TargetMol

Laurolitsine hydrochloride (5890-18-6 free base)

Chemical Properties



CAS No. :

Formula: C18H20ClNO4

Molecular Weight: 349.81

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Laurolitsine hydrochloride, shows weak anti-inflammatory activity,is an alkaloid isolated from Phoebe formosana.
Targets(IC50)	Others
In vitro	Boldine, laurolitsine and litebamine (300 μM) remarkedly inhibit the aggregation of rabbit platelets induced by arachidonic acid (100 μM) and collagen (10 μM/mL), and slightly inhibit that induced by ADP (20 μM).Laurolitsine shows weak anti-inflammatory activity against NO production in RAW 267.4 and BV-2 cells.

Solubility Information

Solubility	DMSO: 83 mg/mL (237.27 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8587 mL	14.2935 mL	28.5869 mL
5 mM	0.5717 mL	2.8587 mL	5.7174 mL
10 mM	0.2859 mL	1.4293 mL	2.8587 mL
50 mM	0.0572 mL	0.2859 mL	0.5717 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zhang SY, et al. [Alkaloids from roots and stems of Litsea cubeba]. Zhongguo Zhong Yao Za Zhi. 2014 Oct;39(20):3964-8.

Teng CM, et al. Antiplatelet effects of some aporphine and phenanthrene alkaloids in rabbits and man. J Pharm Pharmacol. 1997 Jul;49(7):706-11.

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