Product Data Sheet

Product Name: Laurolitsine hydrochloride ((+)-Norboldine hydrochloride)
Cat. No.: GC34277

Chemical Properties

Cas. No.			
SMILES	OC1=C(OC)C2=C3C(CCN[C@@]3([H])CC4=CC(O)=C(OC)C=C24)=C1.[H]Cl		
Formula	$C_{18}H_{20}ClNO_4$	M.Wt	349.81
Solubility	DMSO : 83 mg/mL (237.27 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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

Laurolitsine hydrochloride is an alkaloid isolated from Phoebe formosana, and shows weak anti-inflammatory activity.

Laurolitsine shows weak anti-inflammatory activity against NO production in RAW 267.4 and BV-2 cells[1]. 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)[2].

[1]. Zhang SY, et al. [Alkaloids from roots and stems of Litsea cubeba]. Zhongguo Zhong Yao Za Zhi. 2014 Oct;39(20):3964-8. [2]. 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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