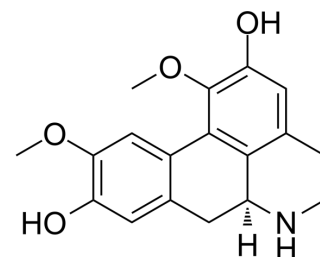


Lauro litsine hydrochloride

Cat. No.:	HY-N2352A
Molecular Formula:	C ₁₈ H ₂₀ ClNO ₄
Molecular Weight:	349.81
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



H-Cl

SOLVENT & SOLUBILITY

In Vitro

DMSO : 83 mg/mL (237.27 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

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

In Vitro

Lauro litsine shows weak anti-inflammatory activity against NO production in RAW 267.4 and BV-2 cells^[1]. Boldine, lauro litsine and litebamine (300 μM) remarkably 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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[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.

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

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