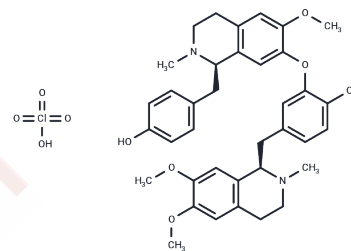


Liensinine Perchlorate

Chemical Properties

CAS No. :	2385-63-9
Formula:	C37H43ClN2O10
Molecular Weight:	711.2
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Liensinine is the active constituent of plumula nelambinis with anti-hypertension.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	DMSO: 7.12 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.41 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4061 mL	7.0304 mL	14.0607 mL
5 mM	0.2812 mL	1.4061 mL	2.8121 mL
10 mM	0.1406 mL	0.703 mL	1.4061 mL
50 mM	0.0281 mL	0.1406 mL	0.2812 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhou J, et al. Autophagy. 2015;11(8):1259-79.

Wang Y, Li Y J, Huang X H, et al. Liensinine perchlorate inhibits colorectal cancer tumorigenesis by inducing mitochondrial dysfunction and apoptosis. Food & Function. 2018, 9(11): 5536-5546

Wang Yang, et al. Liensinine perchlorate inhibits colorectal cancer tumorigenesis by inducing mitochondrial dysfunction and apoptosis [J]. Food & function. 2018 Nov 14;9(11):5536-5546

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481