

Lobetyolin

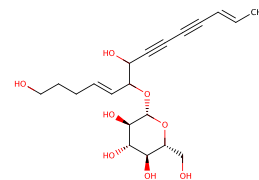
Chemical Properties

CAS No. : 129277-38-9

Formula: C₂₀H₂₈O₈

Molecular Weight: 396.43

Storage: Keep away from moisture, Keep away from direct sunlight
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lobetyolin (Praeruptorin D) is compound derived from Codonopsis pilosula with antioxidative effect.
Targets(IC50)	Apoptosis,Others,Xanthine Oxidase

Solubility Information

Solubility	DMSO: 50.5 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: 2 mg/mL (5.05 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	2.5225 mL	12.6126 mL	25.2251 mL
5 mM	0.5045 mL	2.5225 mL	5.045 mL
10 mM	0.2523 mL	1.2613 mL	2.5225 mL
50 mM	0.0505 mL	0.2523 mL	0.5045 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

Yoon YP., et al. Effects of Lobetyolin, Lobetyol and Methyl linoleate on Secretion, Production and Gene Expression of MUC5AC Mucin from Airway Epithelial Cells. *Tuberc Respir Dis (Seoul)*. 2014 Nov;77(5):203-8.

Qi HY., et al. Studies on the chemical constituents of *Codonopsis pilosula*. *Zhong Yao Cai*. 2011 Apr;34(4):546-8.

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