

Lobelin sulphate

Chemical Properties

CAS No.:	134-64-5
Formula:	C ₄₄ H ₅₆ N ₂ O ₈ S
Molecular Weight:	772.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Lobelin sulphate is an alkaloid that has actions similar to nicotine on nicotinic cholinergic receptors but is less potent. It has a variety of therapeutic uses including in insomnia, and smoking cessation, peripheral vascular disorders, respiratory disorders .
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 100 mg/ml (129.37 mM) Ethanol: 100 mg/ml (129.37 mM) Water: 100 mg/ml (129.37 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.294 mL	6.468 mL	12.937 mL
5 mM	0.259 mL	1.294 mL	2.587 mL
10 mM	0.129 mL	0.647 mL	1.294 mL
50 mM	0.026 mL	0.129 mL	0.259 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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