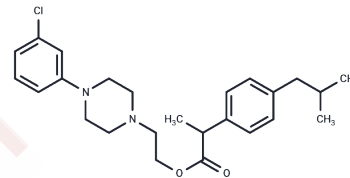


Lobuprofen

Chemical Properties

CAS No. :	98207-12-6
Formula:	C ₂₅ H ₃₃ ClN ₂ O ₂
Molecular Weight:	428.99
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lobuprofen is a small molecule COX inhibitor that is used to treat neurological disorders.
Targets(IC50)	COX

Solubility Information

Solubility	DMSO: 50 mg/mL (116.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3311 mL	11.6553 mL	23.3106 mL
5 mM	0.4662 mL	2.3311 mL	4.6621 mL
10 mM	0.2331 mL	1.1655 mL	2.3311 mL
50 mM	0.0466 mL	0.2331 mL	0.4662 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

Santamaria J, et al. Dual labelling of lobuprofen with tritium and carbon-14. Journal of Labelled Compounds and Radiopharmaceuticals.1988; 25(3): 287-292.

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