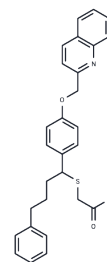


L 674573

Chemical Properties

CAS No. : 127481-29-2
 Formula: C₂₈H₂₇N₃O₃
 Molecular Weight: 457.58
 Storage: 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	L 674573 is an inhibitor of leukotriene biosynthesis.
Targets(IC50)	Leukotriene Receptor, Lipoxygenase
In vitro	L-674,573 specifically inhibits labeling of an 18-kDa protein, in a concentration dependent manner with IC ₅₀ of 70nM [1].

Solubility Information

Solubility	DMSO: 10 mg/mL (21.85 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	2.1854 mL	10.9271 mL	21.8541 mL
5 mM	0.4371 mL	2.1854 mL	4.3708 mL
10 mM	0.2185 mL	1.0927 mL	2.1854 mL
50 mM	0.0437 mL	0.2185 mL	0.4371 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

Mancini JA, Prasit P, Coppolino MG, Charleson P, Leger S, Evans JF, Gillard JW, Vickers PJ. 5-Lipoxygenase-activating protein is the target of a novel hybrid of two classes of leukotriene biosynthesis inhibitors. *Mol Pharmacol*. 1992 Feb;41(2):267-72. PubMed PMID: 1538707.

Kargman S, Prasit P, Evans JF. Translocation of HL-60 cell 5-lipoxygenase. Inhibition of A23187- or N-formyl-methionyl-leucyl-phenylalanine-induced translocation by indole and quinoline leukotriene synthesis inhibitors. *J Biol Chem*. 1991 Dec 15;266(35):23745-52. PubMed PMID: 1748650.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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