Data Sheet (Cat.No.T15803)



LY223982

Chemical Properties

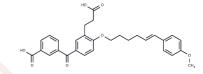
CAS No.: 117423-74-2

Formula: C30H30O7

Molecular Weight: 502.55

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	LY223982 is an effective and specific inhibitor of the leukotriene B4 receptor (IC50: 13.2 nM). It also can against [3H]LTB4 binding to LTB4 receptor.		
Targets(IC50)	Others		
In vitro	LY223982 is also an effective antagonist of the aggregation of human neutrophils by LTB4 (IC50, 100 nM).		
In vivo	LY223982 suppresses transient leukopenia induced in rabbits with LTB4 (ED50, 3 mg/kg) but not with FMLP. It shows no agonist activity in any of the test systems.		

Solubility Information

Solubility	DMSO: 100 mg/mL (198.98 mM), Sonication is recommended.
	(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

(0)	1mg	5mg	10mg
1 mM	1.9899 mL	9.9493 mL	19.8985 mL
5 mM	0.398 mL	1.9899 mL	3.9797 mL
10 mM	0.199 mL	0.9949 mL	1.9899 mL
50 mM	0.0398 mL	0.199 mL	0.398 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.

Reference

Jackson WT, et al. Specific inhibition of leukotriene B4-induced neutrophil activation by LY223982. J Pharmacol Exp Ther. 1992 Dec; 263(3):1009-14.

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