

FPL 55712

## Chemical Properties

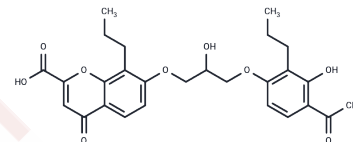
CAS No. : 40785-97-5

Formula: C27H30O9

Molecular Weight: 498.52

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	FPL 55712 is a leukotriene receptor and SRS-A antagonist that inhibits bronchoconstriction and can be used in studies of asthma and coronary artery thrombosis.
Targets(IC50)	LTR,Leukotriene Receptor

## Solubility Information

Solubility	100 mM NaOH: <24.93 mg/mL,Sonication is recommended. 0.1M NaOH: 5 mg/mL (10.03 mM),Sonification is recommended. 100mM NaOH: <24.93mg/ml,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	2.0059 mL	10.0297 mL	20.0594 mL
5 mM	0.4012 mL	2.0059 mL	4.0119 mL
10 mM	0.2006 mL	1.003 mL	2.0059 mL
50 mM	0.0401 mL	0.2006 mL	0.4012 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

O'Donnell M, et al. Pharmacologic properties of FPL 55712 administered by aerosol. Agents Actions. 1984 Jan;14 (1):43-8.

Folkerts G, Vet al. Leukotrienes mediate tracheal hyperresponsiveness after nitric oxide synthesis inhibition. Eur J Pharmacol. 1995 Oct 16;285(2):R1-2.

Chand N. FPL 55712 -- an antagonist of slow reacting substance of anaphylaxis (SRS-A): a review. Agents Actions. 1979 Jun;9(2):133-40.

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