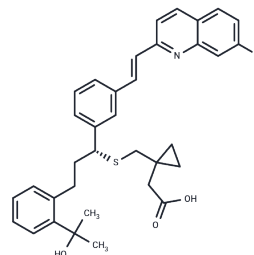


Montelukast

Chemical Properties

CAS No. :	158966-92-8
Formula:	C ₃₅ H ₃₆ ClNO ₃ S
Molecular Weight:	586.18
Appearance:	no data available
Storage:	keep away from direct sunlight,keep away from moisture,store at low temperature Powder: -20°C for 3 years



Biological Description

Description	Montelukast (Singular) is an orally available leukotriene receptor antagonist which is widely used for the prophylaxis and chronic treatment of asthma and has been linked to rare cases of clinically apparent liver injury.
Targets(IC50)	LTR,Leukotriene Receptor,Lipoxygenase

Solubility Information

Solubility	H ₂ O: 1.7 mM,Sonication is recommended. DMSO: 55 mg/mL (93.83 mM),The compound is unstable in solution. Please use soon. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.706 mL	8.5298 mL	17.0596 mL
5 mM	0.3412 mL	1.706 mL	3.4119 mL
10 mM	0.1706 mL	0.853 mL	1.706 mL
50 mM	0.0341 mL	0.1706 mL	0.3412 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

Zhang YJ, et al. Acta Pharmacol Sin. 2004 Oct;25(10):1341-6.

Chen X, Li C, Wang Z, et al.Computational screening of biomarkers and potential drugs for arthrofibrosis based on combination of sequencing and large nature language model.Journal of Orthopaedic Translation.2024, 44: 102-113.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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