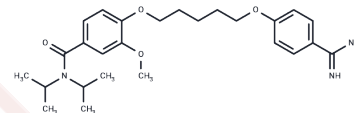


Moxilubant

Chemical Properties

CAS No. :	146978-48-5
Formula:	C ₂₆ H ₃₇ N ₃ O ₄
Molecular Weight:	455.59
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Moxilubant is a small molecule leukotriene B4 receptor 1 (LTB ₄ R) antagonist for the treatment of immune system disorders, skin and musculoskeletal disorders, and may be used in studies of psoriasis and rheumatoid arthritis.
Targets(IC50)	Others,LTR,Leukotriene Receptor
In vitro	Moxilubant inhibits LTB ₄ signaling with a potency of 2-4 nM.[1]
In vivo	Moxilubant (100 to 500 mg; oral; once or twice daily for 7 days) inhibition LTB ₄ pathway reached at least 75% (150 mg) and pathway inhibition reached 100% (300 mg).[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.195 mL	10.9748 mL	21.9496 mL
5 mM	0.439 mL	2.195 mL	4.3899 mL
10 mM	0.2195 mL	1.0975 mL	2.195 mL
50 mM	0.0439 mL	0.2195 mL	0.439 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

Grönke L, et al. Effect of the oral leukotriene B4 receptor antagonist LTB019 on inflammatory sputum markers in patients with chronic obstructive pulmonary disease. *Pulm Pharmacol Ther.* 2008;21(2):409-417.

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