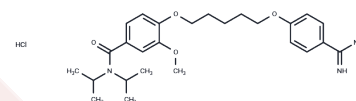


Moxilubant HCl

Chemical Properties

CAS No. :	146957-32-6
Formula:	C ₂₆ H ₃₈ ClN ₃ O ₄
Molecular Weight:	492.05
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	Moxilubant HCl is a small molecule leukotriene B4 receptor 1 (LTB4R) 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 hcl inhibits LTB4 signaling with a potency of 2-4 nM.
In vivo	Moxilubant hcl (100 to 500 mg; oral; once or twice daily for 7 days) inhibition LTB4 pathway reached at least 75% (150 mg) and pathway inhibition reached 100% (300 mg). [1]

Solubility Information

Solubility	DMSO: 50 mg/mL (101.62 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	2.0323 mL	10.1616 mL	20.3231 mL
5 mM	0.4065 mL	2.0323 mL	4.0646 mL
10 mM	0.2032 mL	1.0162 mL	2.0323 mL
50 mM	0.0406 mL	0.2032 mL	0.4065 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.

Brooks CD, et al. Modulators of leukotriene biosynthesis and receptor activation. *J Med Chem.* 1996;39(14):2629-2654.

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