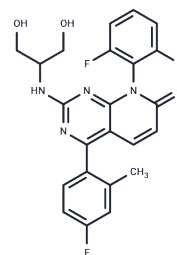


Dilmapimod

Chemical Properties

CAS No. :	444606-18-2
Formula:	C ₂₃ H ₁₉ F ₃ N ₄ O ₃
Molecular Weight:	456.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dilmapimod (SB-681323) is a potent inhibitor of p38 MAPK, potentially suppressing inflammation in chronic obstructive pulmonary disease.
Targets(IC50)	Autophagy,p38 MAPK
In vitro	p38 MAPK signaling potently inhibited by Dilmapimod, measured by inhibition of sorbitol-induced pHSP27 expression.

Solubility Information

Solubility	DMSO: 125 mg/mL (273.87 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	2.191 mL	10.9548 mL	21.9096 mL
5 mM	0.4382 mL	2.191 mL	4.3819 mL
10 mM	0.2191 mL	1.0955 mL	2.191 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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

Singh D, et al. A randomized, placebo-controlled study of the effects of the p38 MAPK inhibitor SB-681323 on blood biomarkers of inflammation in COPD patients. J Clin Pharmacol. 2010 Jan;50(1):94-100.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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