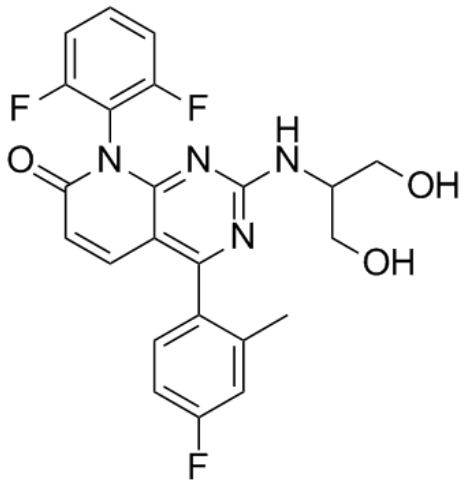
Product Data Sheet

Product Name: Dilmapimod (SB-681323)
Cat. No.: GC31697

Chemical Properties

Cas. No.	444606-18-2		
SMILES	O=C1C=CC2=C(C3=CC=C(F)C=C3C)N=C(NC(CO)CO)N=C2N1C4=C(F)C=CC=C4F		
Formula	$C_{23}H_{19}F_3N_4O_3$	M.Wt	456.42
Solubility	DMSO : 125 mg/mL (273.87 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		

Structure



Background

Dilmapimod (SB-681323) is a potent p38 MAPK inhibitor that potentially suppresses inflammation in chronic obstructive pulmonary disease.

Dilmapimod (SB-681323) potently inhibits p38 MAPK signaling, measured by inhibition of sorbitol-induced pHSP27 expression[1].

[1]. Singh D, et al. A randomized, placebo-controlled study of the effects of the p38 MAPK inhibitor

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SB-681323 on blood biomarkers of inflammation in COPD patients. J Clin Pharmacol. 2010 Jan;50(1):94-100.