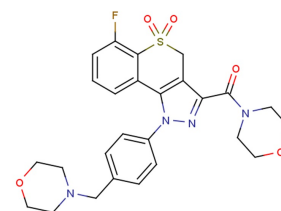


MSC2360844

Chemical Properties

CAS No.: 1305267-37-1
Formula: C₂₆H₂₇FN₄O₅S
Molecular Weight: 526.58
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	MSC2360844 is a potent, orally active and selective inhibitor of PI3Kδ (IC ₅₀ of 145 nM).
Targets(IC ₅₀)	PI3Kδ: 145 nM
In vitro	MSC2360844 inhibits B cell proliferation in a concentration-dependent manner with an IC ₅₀ of 48 nM. MSC2360844 blocks BCR- and TCR-mediated responses in lymphocytes and TLR-induced IFNα by pDC in human primary cells[1].
In vivo	in a murine SLE model, MSC2360844 ameliorates disease manifestations [1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.899 mL	9.495 mL	18.99 mL
5 mM	0.38 mL	1.899 mL	3.798 mL
10 mM	0.19 mL	0.95 mL	1.899 mL
50 mM	0.038 mL	0.19 mL	0.38 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Haselmayer P, et al. Characterization of Novel PI3Kδ Inhibitors as Potential Therapeutics for SLE and Lupus Nephritis in Pre-Clinical Studies. Front Immunol. 2014 May 22;5:233.

Inhibitors · Natural Compounds · Compound Libraries

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