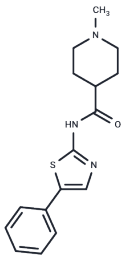
Data Sheet (Cat.No.T60681)

DS12881479

Chemical Properties



CAS No. : 2373065-59-7

Formula: C16H19N3OS

Molecular Weight: 301.41

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	DS12881479 can be used in cancer research which is a potent and selective inhibitor of Mnk1(IC 50 =21 nM) [1].
Targets(IC50)	MNK

Solubility Information

Solubility	DMSO: 225 mg/mL (746.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (16.59 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3177 mL	16.5887 mL	33.1774 mL
5 mM	0.6635 mL	3.3177 mL	6.6355 mL
10 mM	0.3318 mL	1.6589 mL	3.3177 mL
50 mM	0.0664 mL	0.3318 mL	0.6635 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

Yumi Matsui, et al. A novel inhibitor stabilizes the inactive conformation of MAPK-interacting kinase 1. Acta Crystallogr F Struct Biol Commun. 2018 Mar 1;74(Pt 3):156-160.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481