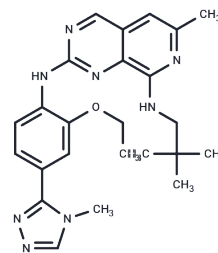


BOS-172722

Chemical Properties

CAS No. : 1578245-44-9
 Formula: C₂₄H₃₀N₈O
 Molecular Weight: 446.55
 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	BOS-172722 is an inhibitor of the monopolar spindle 1 (MPS1) checkpoint with an IC ₅₀ of 2 nM.
Targets(IC ₅₀)	Kinesin
In vitro	BOS-172722 is an inhibitor of monopolar spindle 1 (MPS1) checkpoint with an IC ₅₀ of 2 nM and it also has potential for the treatment of various forms of breast cancer[1].

Solubility Information

Solubility	1M HCl: 65 mg/mL (145.56 mM),when pH is adjusted to 2 with HCl. Sonication is recommended. DMSO: < 1.12 mg/mL,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	2.2394 mL	11.197 mL	22.3939 mL
5 mM	0.4479 mL	2.2394 mL	4.4788 mL
10 mM	0.2239 mL	1.1197 mL	2.2394 mL
50 mM	0.0448 mL	0.2239 mL	0.4479 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

ARYL SULFONOHYDRAZIDES. WO 2014037750 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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