

P-2281

Chemical Properties

CAS No. : 1112994-35-0

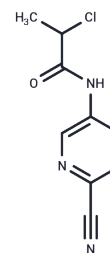
Formula: C₉H₈ClN₃O

Molecular Weight: 209.63

Store at low temperature

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	P-2281 is an mTOR inhibitor with anticancer and anti-inflammatory properties. P-2281 inhibits dextran sulfate sodium (DSS)-induced colitis by suppressing T-cell function and is effective in a mouse model of human colitis.
Targets(IC50)	mTOR

Solubility Information

Solubility	DMSO: 50 mg/mL (238.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7703 mL	23.8515 mL	47.7031 mL
5 mM	0.9541 mL	4.7703 mL	9.5406 mL
10 mM	0.477 mL	2.3852 mL	4.7703 mL
50 mM	0.0954 mL	0.477 mL	0.9541 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

Mandar R Bhonde, et al. A novel mTOR inhibitor is efficacious in a murine model of colitis. Am J Physiol Gastrointest Liver Physiol. 2008 Dec;295(6):G1237-45.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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