

TH7127

Chemical Properties

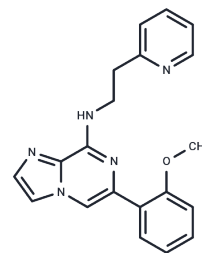
CAS No. :

Formula: C₂₀H₁₉N₅O

Molecular Weight: 345.4

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	TH7127 is a selective inhibitor of the sterile alpha motif and histidine-aspartate domain-containing protein-1 (SAMHD1), inhibits hydrolysis of ara-CTP and Cl-F-ara-ATP, and inhibits the enzymatic activity of SAMHD1 on dGTP, Cl-F-ara-ATP, and ara-CTP.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble) DMSO: 100 mg/mL (289.52 mM), Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8952 mL	14.476 mL	28.9519 mL
5 mM	0.579 mL	2.8952 mL	5.7904 mL
10 mM	0.2895 mL	1.4476 mL	2.8952 mL
50 mM	0.0579 mL	0.2895 mL	0.579 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

Si Min Zhang, et al. Identification and evaluation of small-molecule inhibitors against the dNTPase SAMHD1 via a comprehensive screening funnel, *iScience*, Volume 27, Issue 2, 2024, 108907, ISSN2589-0042.

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