

TH-Z145

Chemical Properties

CAS No. : 2260887-57-6

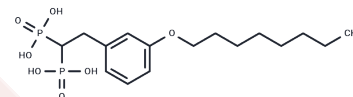
Formula: C₁₆H₂₈O₇P₂

Molecular Weight: 394.34

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	TH-Z145 is a potent FPPS inhibitor for the study of myeloma and lung cancer.
Targets(IC50)	Others,Antibacterial
In vivo	In a pathogenic influenza model, TH-Z145 (20 µg, i.p.) demonstrates strong prophylactic effects[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (202.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5359 mL	12.6794 mL	25.3588 mL
5 mM	0.5072 mL	2.5359 mL	5.0718 mL
10 mM	0.2536 mL	1.2679 mL	2.5359 mL
50 mM	0.0507 mL	0.2536 mL	0.5072 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

Xia Y, et al. The Mevalonate Pathway Is a Druggable Target for Vaccine Adjuvant Discovery. Cell. 2018 Nov 1;175(4):1059-1073.e21.

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