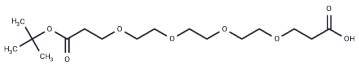
Data Sheet (Cat.No.T14105)

TargetMol

Acid-PEG4-C2-Boc

Chemical Properties



CAS No. : 1835759-85-7

Formula: C16H30O8

Molecular Weight: 350.4

Storage: Keep away from direct sunlight
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	Acid-PEG4-C2-Boc, a linker compound based on polyethylene glycol (PEG) and alkyl/ether, is utilized in the synthesis of PROteolysis TArgeting Chimeras (PROTACs) for inhibiting the mechanistic Target of Rapamycin (mTOR)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one targeting an E3 ubiquitin ligase and the other targeting a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8539 mL	14.2694 mL	28.5388 mL
5 mM	0.5708 mL	2.8539 mL	5.7078 mL
10 mM	0.2854 mL	1.4269 mL	2.8539 mL
50 mM	0.0571 mL	0.2854 mL	0.5708 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

Jennifer PITZEN , et al. C40-, c28-, and c-32-linked rapamycin analogs as mtor inhibitors. WO2019212990A1.

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