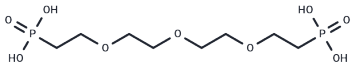
Data Sheet (Cat.No.T16456)

TargetMol

PEG3-bis(phosphonic acid)

Chemical Properties



CAS No. : 254762-10-2

Formula: C8H20O9P2

Molecular Weight: 322.19

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	PEG3-bis(phosphonic acid), a PEG-derived PROTAC linker, is utilized in PROTAC synthesis [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the specific protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1038 mL	15.5188 mL	31.0376 mL
5 mM	0.6208 mL	3.1038 mL	6.2075 mL
10 mM	0.3104 mL	1.5519 mL	3.1038 mL
50 mM	0.0621 mL	0.3104 mL	0.6208 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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