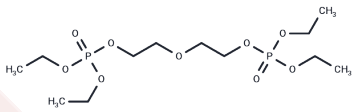
Data Sheet (Cat.No.T16453)

TargetMol

PEG2-bis(phosphonic acid diethyl ester)

Chemical Properties



CAS No. : 500347-73-9

Formula: C12H28O9P2

Molecular Weight: 378.29

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	PEG2-bis(phosphonic acid diethyl ester) is a polyethylene glycol (PEG) derivative frequently used as a linker in the synthesis of proteolysis-targeting chimeras (PROTACs) [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands joined by a linker–one binding to an E3 ubiquitin ligase and the other to the target protein–leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6435 mL	13.2174 mL	26.4347 mL
5 mM	0.5287 mL	2.6435 mL	5.2869 mL
10 mM	0.2643 mL	1.3217 mL	2.6435 mL
50 mM	0.0529 mL	0.2643 mL	0.5287 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