Data Sheet (Cat.No.T40806)

TargetMol

Dimethylamino-PEG2-C2-NH2

Chemical Properties

CAS No. : 692782-62-0

Formula: C8H20N2O2

Molecular Weight: 176.257

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	Dimethylamino-PEG2-C2-NH2, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one for an E3 ubiquitin ligase and the other for the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6734 mL	28.3672 mL	56.7344 mL
5 mM	1.1347 mL	5.6734 mL	11.3469 mL
10 mM	0.5673 mL	2.8367 mL	5.6734 mL
50 mM	0.1135 mL	0.5673 mL	1.1347 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

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