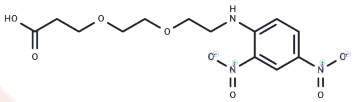
Data Sheet (Cat.No.T15148)

TargetMol

DNP-NH-PEG2-C2-acid

Chemical Properties



CAS No. : 1353011-89-8

Formula: C13H17N3O8

Molecular Weight: 343.29

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	DNP-NH-PEG2-C2-acid is a PEG-based linker for PROTACs, which connects two essential ligands critical for PROTAC molecule formation, enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the protein of interest. They utilize the intracellular ubiquitin-proteasome system for the selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.913 mL	14.5649 mL	29.1299 mL
5 mM	0.5826 mL	2.913 mL	5.826 mL
10 mM	0.2913 mL	1.4565 mL	2.913 mL
50 mM	0.0583 mL	0.2913 mL	0.5826 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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