Data Sheet (Cat.No.T15154)



DNP-PEG4-NHS ester

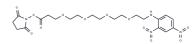
Chemical Properties

CAS No.: 858126-78-0 Formula: C21H28N4O12

Molecular Weight: 528.47

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	DNP-PEG4-NHS ester is a PEG-based linker for PROTACs which 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
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg	
1 mM	1.8923 mL	9.4613 mL	18.9226 mL	
5 mM	0.3785 mL	1.8923 mL	3.7845 mL	
10 mM	0.1892 mL	0.9461 mL	1.8923 mL	
50 mM	0.0378 mL	0.1892 mL	0.3785 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.

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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