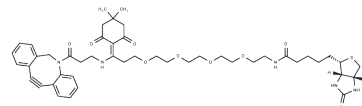


Dde Biotin-PEG4-DBCO

Chemical Properties

CAS No. :	1807512-43-1
Formula:	C47H61N5O9S
Molecular Weight:	872.08
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dde Biotin-PEG4-DBCO 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	1.1467 mL	5.7334 mL	11.4668 mL
5 mM	0.2293 mL	1.1467 mL	2.2934 mL
10 mM	0.1147 mL	0.5733 mL	1.1467 mL
50 mM	0.0229 mL	0.1147 mL	0.2293 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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