

Biotin-PEG12-TFP ester

Chemical Properties

CAS No. :

Formula: C43H69F4N3O16S

Molecular Weight: 992.08



Appearance:

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

Biological Description

Description	Biotin-PEG12-TFP ester is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
In vitro	PROTACs, consisting of two ligands joined by a linker, bind an E3 ubiquitin ligase and the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.008 mL	5.0399 mL	10.0798 mL
5 mM	0.2016 mL	1.008 mL	2.016 mL
10 mM	0.1008 mL	0.504 mL	1.008 mL
50 mM	0.0202 mL	0.1008 mL	0.2016 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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