

Biotin-PEG12-NHS ester

Chemical Properties

CAS No. : 1934296-88-4

Formula: C₄₁H₇₂N₄O₁₈S

Molecular Weight: 941.09



Keep away from direct sunlight

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Biotin-PEG12-NHS ester is a PEG-based PROTAC linker used in the synthesis of PROTACs.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other binds to the target protein, utilizing the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	DMSO: 250 mg/mL (265.65 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0626 mL	5.313 mL	10.626 mL
5 mM	0.2125 mL	1.0626 mL	2.1252 mL
10 mM	0.1063 mL	0.5313 mL	1.0626 mL
50 mM	0.0213 mL	0.1063 mL	0.2125 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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