

## Biotin-PEG11-Mal

## Chemical Properties

CAS No. : 1646619-56-8

Formula: C41H71N5O16S

Molecular Weight: 922.09



Keep away from direct sunlight

Storage: 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	Biotin-PEG11-Mal is a PEG-based linker for PROTACs, connecting two essential ligands to facilitate the formation of PROTAC molecules and enable selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize the intracellular ubiquitin-proteasome system for the selective degradation of target proteins by containing two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the specific protein[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0845 mL	5.4225 mL	10.8449 mL
5 mM	0.2169 mL	1.0845 mL	2.169 mL
10 mM	0.1084 mL	0.5422 mL	1.0845 mL
50 mM	0.0217 mL	0.1084 mL	0.2169 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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