

OPSS-PEG8-COOH

Chemical Properties

CAS No. :	1334177-96-6
Formula:	C27H46N2O11S2
Molecular Weight:	638.791
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	OPSS-PEG8-COOH is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands critical for PROTAC molecule formation, and enabling selective protein degradation via the ubiquitin-proteasome system within cells (PROTACs) [OPSS-PEG8-COOH].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker; one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5655 mL	7.8273 mL	15.6546 mL
5 mM	0.3131 mL	1.5655 mL	3.1309 mL
10 mM	0.1565 mL	0.7827 mL	1.5655 mL
50 mM	0.0313 mL	0.1565 mL	0.3131 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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