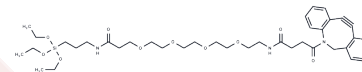


DBCO-PEG4-triethoxysilane

Chemical Properties

CAS No. :	2353410-02-1
Formula:	C39H57N3O10Si
Molecular Weight:	755.97
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	DBCO-PEG4-triethoxysilane is a polyethylene glycol (PEG)-based linker compound that serves as an efficient building block for the synthesis of PROTACs. These PROTACs are small molecules designed to selectively target and degrade specific proteins of interest [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one binds an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3228 mL	6.614 mL	13.228 mL
5 mM	0.2646 mL	1.3228 mL	2.6456 mL
10 mM	0.1323 mL	0.6614 mL	1.3228 mL
50 mM	0.0265 mL	0.1323 mL	0.2646 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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