

## m-PEG5-triethoxysilane

## Chemical Properties

CAS No. : 2243566-42-7

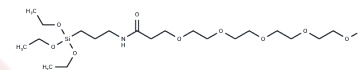
Formula: C<sub>21</sub>H<sub>45</sub>NO<sub>9</sub>Si

Molecular Weight: 483.67

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	m-PEG5-triethoxysilane is a PEG-based linker for PROTACs, facilitating the connection between two essential ligands to form PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands linked by a connector—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0675 mL	10.3376 mL	20.6753 mL
5 mM	0.4135 mL	2.0675 mL	4.1351 mL
10 mM	0.2068 mL	1.0338 mL	2.0675 mL
50 mM	0.0414 mL	0.2068 mL	0.4135 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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