Data Sheet (Cat.No.T18210)

TargetMol®
YOUR TARGET MOLECULES

m-PEG5-triethoxysilane

Chemical Properties

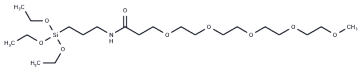
CAS No. : 2243566-42-7

Formula: C21H45NO9Si

Molecular Weight: 483.67

Appearance: no data available

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



Biological Description

Description	m-PEG5-triethoxysilane is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit 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.

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.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481