

## 1,1,1-Trifluoroethyl-PEG4-Tos

## Chemical Properties

CAS No. : 1872433-61-8

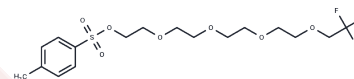
Formula: C17H25F3O7S

Molecular Weight: 430.44

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	1,1,1-Trifluoroethyl-PEG4-Tos is a polyethylene glycol (PEG) derived linker molecule useful in the synthesis of Proteolysis Targeting Chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two different ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, while the other targets a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade these target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3232 mL	11.616 mL	23.232 mL
5 mM	0.4646 mL	2.3232 mL	4.6464 mL
10 mM	0.2323 mL	1.1616 mL	2.3232 mL
50 mM	0.0465 mL	0.2323 mL	0.4646 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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