

1,1,1-Trifluoroethyl-PEG4-propargyl

Chemical Properties

CAS No. : 1817735-37-7

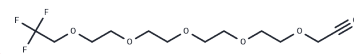
Formula: C13H21F3O5

Molecular Weight: 314.3

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-propargyl is a polyethylene glycol (PEG)-based linker used in the synthesis of PROTACs [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1817 mL	15.9084 mL	31.8167 mL
5 mM	0.6363 mL	3.1817 mL	6.3633 mL
10 mM	0.3182 mL	1.5908 mL	3.1817 mL
50 mM	0.0636 mL	0.3182 mL	0.6363 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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