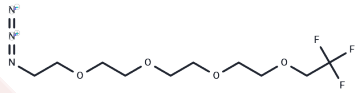
Data Sheet (Cat.No.T13988)

TargetMol

1,1,1-Trifluoroethyl-PEG4-azide

Chemical Properties



CAS No. : 1817735-35-5

Formula: C10H18F3N3O4

Molecular Weight: 301.26

Storage: Keep away from direct sunlight
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	111-Trifluoroethyl-PEG4-azide is a polyethylene glycol (PEG) derivative featuring a trifluoroethyl moiety and an azide functional group. It is utilized as a PROTAC linker, specifically designed for the synthesis of proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one binds to an E3 ubiquitin ligase and the other targets a specific protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3194 mL	16.597 mL	33.1939 mL
5 mM	0.6639 mL	3.3194 mL	6.6388 mL
10 mM	0.3319 mL	1.6597 mL	3.3194 mL
50 mM	0.0664 mL	0.3319 mL	0.6639 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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