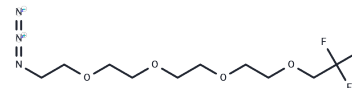


1,1,1-Trifluoroethyl-PEG4-azide

Chemical Properties

CAS No. :	1817735-35-5
Formula:	C10H18F3N3O4
Molecular Weight:	301.26
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	111-Trifluoroethyl-PEG4-azide is a polyethylene glycol (PEG) derivative containing a trifluoroethyl moiety and an azide functional group. It serves as a PROTAC linker, specifically designed for the synthesis of proteolysis-targeting chimeras (PROTACs)[1].
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	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.

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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