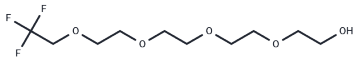
Data Sheet (Cat.No.T13985)

TargetMol

1,1,1-Trifluoroethyl-PEG4-alcohol

Chemical Properties



CAS No. : 1807512-41-9

Formula: C10H19F3O5

Molecular Weight: 276.25

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	1,1,1-Trifluoroethyl-PEG4-alcohol is a polyethylene glycol (PEG) derivative typically used as a linker in the synthesis of protein degrader molecules, known as PROTACs [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs contain two ligands connected by a linker: one binds to an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6199 mL	18.0995 mL	36.1991 mL
5 mM	0.724 mL	3.6199 mL	7.2398 mL
10 mM	0.362 mL	1.810 mL	3.6199 mL
50 mM	0.0724 mL	0.362 mL	0.724 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481