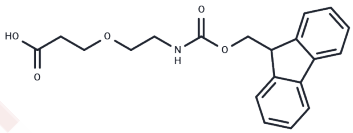
Data Sheet (Cat.No.T15313)

TargetMol

Fmoc-NH-PEG1-C2-acid

Chemical Properties



CAS No. : 1654740-73-4

Formula: C20H21NO5

Molecular Weight: 355.38

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	Fmoc-NH-PEG1-C2-acid is a PEG-based linker for PROTACs, facilitating the conjugation of two essential ligands necessary for forming PROTAC molecules, thereby enabling selective protein degradation via the ubiquitin-proteasome system in cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two ligands linked together—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8139 mL	14.0694 mL	28.1389 mL
5 mM	0.5628 mL	2.8139 mL	5.6278 mL
10 mM	0.2814 mL	1.4069 mL	2.8139 mL
50 mM	0.0563 mL	0.2814 mL	0.5628 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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