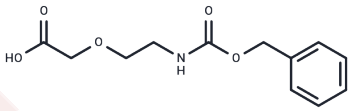
Data Sheet (Cat.No.T17717)

TargetMol

Cbz-NH-PEG1-CH2COOH

Chemical Properties



CAS No. : 1260092-43-0

Formula: C12H15NO5

Molecular Weight: 253.25

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	Cbz-NH-PEG1-CH2COOH, a PEG-based PROTAC linker, is utilized in PROTAC synthesis.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase and the other to the target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs enable the selective degradation of target proteins[2].

Solubility Information

Solubility	DMSO: 100 mg/mL (394.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9487 mL	19.7433 mL	39.4867 mL
5 mM	0.7897 mL	3.9487 mL	7.8973 mL
10 mM	0.3949 mL	1.9743 mL	3.9487 mL
50 mM	0.079 mL	0.3949 mL	0.7897 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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