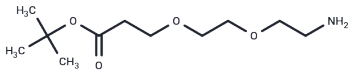
Data Sheet (Cat.No.T16311)

TargetMol

NH2-PEG2-C2-Boc

Chemical Properties



CAS No. : 756525-95-8

Formula: C11H23NO4

Molecular Weight: 233.3

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	NH2-PEG2-C2-Boc is a polyethylene glycol (PEG)-based PROTAC linker used in the synthesis of PROTACs[1] and serves as a non-cleavable 2-unit PEG linker for antibody-drug conjugates (ADCs)[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs utilize a linker to connect two ligands: one targeting an E3 ubiquitin ligase and the other the target protein, leveraging the ubiquitin-proteasome system for selective protein degradation[1]. ADCs consist of an antibody linked to a cytotoxin via an ADC linker[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2863 mL	21.4316 mL	42.8633 mL
5 mM	0.8573 mL	4.2863 mL	8.5727 mL
10 mM	0.4286 mL	2.1432 mL	4.2863 mL
50 mM	0.0857 mL	0.4286 mL	0.8573 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

Han X, et al. Discovery of ARD-69 as a Highly Potent Proteolysis Targeting Chimera (PROTAC) Degrader of Androgen Receptor (AR) for the Treatment of Prostate Cancer. J Med Chem. 2019 Jan 24;62(2):941-964.
Joshua D. Thomas, et al. Pyrrolobenzodiazepine antibody conjugates. WO2019126691A1.

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