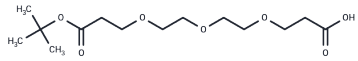
Data Sheet (Cat.No.T14101)

TargetMol

Acid-PEG3-C2-Boc

Chemical Properties



CAS No. : 1807539-06-5

Formula: C14H26O7

Molecular Weight: 306.35

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	Acid-PEG3-C2-Boc, a PEG- and alkyl/ether-based PROTAC linker, is utilized in PROTAC synthesis to facilitate the degradation of EGFR and inhibit mTOR[1][2].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, or proteolysis-targeting chimeras, are composed of two distinct ligands joined by a linker. One of these ligands binds to a specific protein target, while the other binds to an E3 ubiquitin ligase. When the PROTAC binds to both the target protein and the E3 ligase, it triggers the ubiquitin-proteasome system within cells to degrade the target protein, thereby providing a mechanism for targeted protein degradation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2642 mL	16.3212 mL	32.6424 mL
5 mM	0.6528 mL	3.2642 mL	6.5285 mL
10 mM	0.3264 mL	1.6321 mL	3.2642 mL
50 mM	0.0653 mL	0.3264 mL	0.6528 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

Nathanael Gray, et al. Bifunctional molecules for degradation of egfr and methods of use. WO2017185036A1.
Christopher Semko, et al. Rapamycin analogs as mtor inhibitors. WO 2018204416 A1.

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