

Methylamino-PEG3-t-butyl ester

Chemical Properties

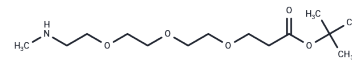
CAS No. : 217817-03-3

Formula: C₁₄H₂₉NO₅

Molecular Weight: 291.388

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Methylamino-PEG3-t-butyl ester is a PEG-based linker compound employed for synthesizing PROTACs.
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4318 mL	17.1591 mL	34.3183 mL
5 mM	0.6864 mL	3.4318 mL	6.8637 mL
10 mM	0.3432 mL	1.7159 mL	3.4318 mL
50 mM	0.0686 mL	0.3432 mL	0.6864 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.

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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