

## PEG3-methylamine

## Chemical Properties

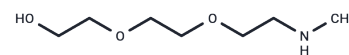
CAS No. : 282551-10-4

Formula: C7H17NO3

Molecular Weight: 163.22

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

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	PEG3-methylamine is a PEG-based linker for PROTACs, joining two essential ligands and facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs utilize two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other binds to the target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.1267 mL	30.6335 mL	61.267 mL
5 mM	1.2253 mL	6.1267 mL	12.2534 mL
10 mM	0.6127 mL	3.0634 mL	6.1267 mL
50 mM	0.1225 mL	0.6127 mL	1.2253 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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