

## DOTA-PEG5-amine

## Chemical Properties

CAS No. :

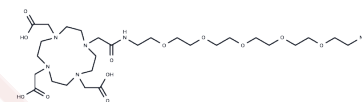
Formula: C<sub>28</sub>H<sub>54</sub>N<sub>6</sub>O<sub>12</sub>

Molecular Weight: 666.76

Keep away from direct sunlight

Storage: 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	DOTA-PEG5-amine, a PEG-based linker for PROTACs, connects two essential ligands to facilitate the formation of PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other binds to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4998 mL	7.499 mL	14.9979 mL
5 mM	0.300 mL	1.4998 mL	2.9996 mL
10 mM	0.150 mL	0.7499 mL	1.4998 mL
50 mM	0.030 mL	0.150 mL	0.300 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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