

## Propargyl-PEG12-amine

## Chemical Properties

CAS No. : 2264091-73-6

Formula: C<sub>27</sub>H<sub>53</sub>N<sub>12</sub>

Molecular Weight: 583.71

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	Propargyl-PEG12-amine is a PEG-based linker for PROTACs (proteolysis-targeting chimeras) that joins two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7132 mL	8.5659 mL	17.1318 mL
5 mM	0.3426 mL	1.7132 mL	3.4264 mL
10 mM	0.1713 mL	0.8566 mL	1.7132 mL
50 mM	0.0343 mL	0.1713 mL	0.3426 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481