

## Biotin-PEG2-C1-aldehyde

## Chemical Properties

CAS No. : 2408505-11-1

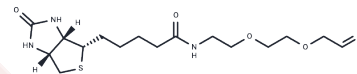
Formula: C<sub>16</sub>H<sub>27</sub>N<sub>3</sub>O<sub>5</sub>S

Molecular Weight: 373.47

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	Biotin-PEG2-C1-aldehyde is a polyethylene glycol (PEG)-based linker used in the synthesis of proteolysis targeting chimeras (PROTACs) [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands connected by a linker: one binds to an E3 ubiquitin ligase and the other targets a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6776 mL	13.388 mL	26.7759 mL
5 mM	0.5355 mL	2.6776 mL	5.3552 mL
10 mM	0.2678 mL	1.3388 mL	2.6776 mL
50 mM	0.0536 mL	0.2678 mL	0.5355 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