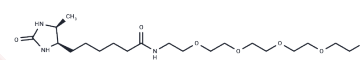


## Azide-PEG4-Desthiobiotin

## Chemical Properties

CAS No. :	3081529-39-4
Formula:	C <sub>20</sub> H <sub>38</sub> N <sub>6</sub> O <sub>6</sub>
Molecular Weight:	458.55
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	Azide-PEG4-Desthiobiotin is a PEG derivative composed of desthiobiotin, four PEG units, and an azide group (azide). Biotin forms a stable non-covalent complex with Streptavidin. The azide group can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing alkyne groups. Additionally, it can participate in strain-promoted azide-alkyne cycloaddition (SPAAC) with molecules that have DBCO or BCN groups.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1808 mL	10.9039 mL	21.8079 mL
5 mM	0.4362 mL	2.1808 mL	4.3616 mL
10 mM	0.2181 mL	1.0904 mL	2.1808 mL
50 mM	0.0436 mL	0.2181 mL	0.4362 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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