

Biotin-PEG-azide (MW 3400)

Chemical Properties

CAS No. :	956494-20-5
Formula:	C ₅₈ H ₁₁₂ N ₆ O ₂₅ S
Molecular Weight:	1325.61
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Biotin-PEG-azide (MW 3400) is a biotinylated polyethylene glycol (PEG) derivative featuring an azide group. Biotin functions as an enzyme co-factor for protein labeling, while PEG, a hydrophilic and water-soluble polymer with low toxicity, enhances solubility. The azide group, a moderately good leaving group, undergoes Cu-catalyzed reactions with alkynes, improving biotin's target binding efficiency.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7544 mL	3.7718 mL	7.5437 mL
5 mM	0.1509 mL	0.7544 mL	1.5087 mL
10 mM	0.0754 mL	0.3772 mL	0.7544 mL
50 mM	0.0151 mL	0.0754 mL	0.1509 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.

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