

Biotin-C5-Azide

Chemical Properties

CAS No. : 1260586-88-6

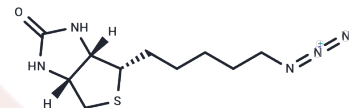
Formula: C₁₀H₁₇N₅O₅

Molecular Weight: 255.34

Storage: Keep away from direct sunlight, Store at low temperature

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-C5-Azide (DecarboxyBiotin-N3) is an azide derivative with a biotin tag attached.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (313.31 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (12.92 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9163 mL	19.5817 mL	39.1635 mL
5 mM	0.7833 mL	3.9163 mL	7.8327 mL
10 mM	0.3916 mL	1.9582 mL	3.9163 mL
50 mM	0.0783 mL	0.3916 mL	0.7833 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

Pfaff P, et al. Azoacetylenes for the Synthesis of Arylazotriazole Photoswitches. J Am Chem Soc. 2021 Sep 15;143 (36):14495-14501.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481