

DADPS Biotin Azide

Chemical Properties

CAS No. : 1260247-50-4

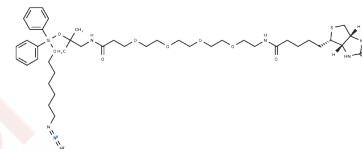
Formula: C43H67N7O9SSi

Molecular Weight: 886.18

Storage: Store at low temperature, The compound is unstable in solution. Please use soon

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Biotin-PEG4-amino-t-Bu-DADPS-C6-azide is a PEGylated PROTAC linker suitable for PROTAC synthesis [1].
Targets(IC50)	PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands linked by a connector—one binding to an E3 ubiquitin ligase and the other to the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	DMSO: 257.5 mg/mL (290.57 mM), Sonication is recommended. (The compound is unstable in solution, please use soon.) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (5.64 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	1.1284 mL	5.6422 mL	11.2844 mL
5 mM	0.2257 mL	1.1284 mL	2.2569 mL
10 mM	0.1128 mL	0.5642 mL	1.1284 mL
50 mM	0.0226 mL	0.1128 mL	0.2257 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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