

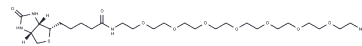
Biotin-PEG7-amine

Chemical Properties

CAS No. : 1334172-76-7

Formula: C₂₆H₅₀N₄O₉S

Molecular Weight: 594.77



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-PEG7-amine is a PEG derivative containing a biotin group and a terminal primary amine group. The hydrophilic PEG spacer increases solubility in aqueous media and increases membrane impermeability of the molecules conjugated to the biotin compound.
Targets(IC50)	Others,PROTAC Linker

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6813 mL	8.4066 mL	16.8132 mL
5 mM	0.3363 mL	1.6813 mL	3.3626 mL
10 mM	0.1681 mL	0.8407 mL	1.6813 mL
50 mM	0.0336 mL	0.1681 mL	0.3363 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

Deng CY, Long YY, Liu S, Chen ZB, Li C. [Construction of biotin-modified polymeric micelles for pancreatic cancer targeted photodynamic therapy]. Yao Xue Xue Bao. 2015 Aug;50(8):1038-44. Chinese. PubMed PMID: 26669006.

Zhu W, Song Z, Wei P, Meng N, Teng F, Yang F, Liu N, Feng R. Y-shaped biotin-conjugated poly (ethylene glycol)-poly (epsilon-caprolactone) copolymer for the targeted delivery of curcumin. J Colloid Interface Sci. 2015 Apr 1; 443:1-7. doi: 10.1016/j.jcis.2014.11.073. Epub 2014 Dec 6. PubMed PMID: 25526295.

Ke S, Wright JC, Kwon GS. Avidin-biotin-PEG-CPA complexes as potential EPR-directed therapeutic protein carriers: preparation and characterization. Bioconjug Chem. 2007 Sep-Oct;18(5):1644-50. Epub 2007 Aug 18. PubMed PMID: 17705554.

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