

Biotin-TAT (47-57)

Chemical Properties

CAS No. : 1231898-25-1

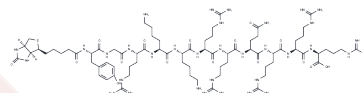
Formula: C74H132N34O16S

Molecular Weight: 1786.15

Keep away from moisture

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-TAT (47-57) is a biotin-tagged transactivator of transcription, commonly employed as a protein transduction domain (PTD) in various primary cells. Its transduction capacity is contingent on ATP and temperature, suggesting the participation of endocytosis.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5599 mL	2.7993 mL	5.5986 mL
5 mM	0.112 mL	0.5599 mL	1.1197 mL
10 mM	0.056 mL	0.2799 mL	0.5599 mL
50 mM	0.0112 mL	0.056 mL	0.112 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

Chen Sun, et al. Intracellular tracking of single native molecules with electroporation-delivered quantum dots. *Anal Chem.* 2014 Nov 18;86(22):11403-9.

Jean Philippe Richard, et al. Cellular uptake of unconjugated TAT peptide involves clathrin-dependent endocytosis and heparan sulfate receptors. *J Biol Chem.* 2005 Apr 15;280(15):15300-6.

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