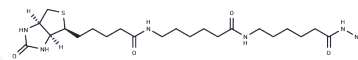


Biotin-XX hydrazide

Chemical Properties

CAS No. : 211237-33-1
 Formula: C₂₂H₄₀N₆O₄S
 Molecular Weight: 484.66
 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-XX hydrazide, also known as Biotin-(AC5)2-hydrazide, is a carbonyl-reactive biotinylation reagent featuring two aminohexanoic acid spacers. This compound demonstrates a heightened efficacy in binding to avidin.
Targets(IC50)	Others
In vitro	Biotin-XX hydrazide, featuring two aminohexanoic acid spacers, significantly improves the complex formation between the biotinylated antibody (or other biotinylated protein) and the avidin-probe conjugate, with the probe being either a fluorochrome or an enzyme[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0633 mL	10.3165 mL	20.633 mL
5 mM	0.4127 mL	2.0633 mL	4.1266 mL
10 mM	0.2063 mL	1.0317 mL	2.0633 mL
50 mM	0.0413 mL	0.2063 mL	0.4127 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

Haugland RP, et, al. Coupling of antibodies with biotin. Methods Mol Biol. 2008;418:13-24.

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