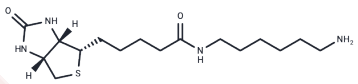
Data Sheet (Cat.No.T36470)

TargetMol

N-Biotinyl-1,6-hexanediaMine

Chemical Properties



CAS No. : 65953-56-2

Formula: C16H30N4O2S

Molecular Weight: 342.5

Storage: Keep away from moisture
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	N-Biotinyl-1,6-hexanediaMine (Biotinyl hexylamine) is a synthetic intermediate that can be used to synthesize nanomedicines and chemotherapeutic couplers.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform: < 1 mg/mL,(insoluble or slightly soluble) Ethanol: < 1 mg/mL,(insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9197 mL	14.5985 mL	29.1971 mL
5 mM	0.5839 mL	2.9197 mL	5.8394 mL
10 mM	0.292 mL	1.4599 mL	2.9197 mL
50 mM	0.0584 mL	0.292 mL	0.5839 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

Sabatino, G, et al. A new biotin derivative-DOTA conjugate as a candidate for pretargeted diagnosis and therapy of tumors. J. Med. Chem. 46(14), 3170-3173 (2003).
Bigini P, et al. In vivo fate of avidin-nucleic acid nanoassemblies as multifunctional diagnostic tools. ACS Nano. 2014 Jan 28;8(1):175-87.

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