

Biotin-HPDP

Chemical Properties

CAS No.:	129179-83-5
Formula:	C ₂₄ H ₃₇ N ₅ O ₃ S ₃
Molecular Weight:	539.77
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Biotin-HPDP is a sulfhydryl reactive biotinylation reagent.
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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	1.853 mL	9.263 mL	18.526 mL
5 mM	0.371 mL	1.853 mL	3.705 mL
10 mM	0.185 mL	0.926 mL	1.853 mL
50 mM	0.037 mL	0.185 mL	0.371 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kim NH, Baek TJ, Park HG, Seong GH. Highly sensitive biomolecule detection on a quartz crystal microbalance using gold nanoparticles as signal amplification probes. *Anal Sci.* 2007 Feb;23(2):177-81. PubMed PMID: 17297229.
2. Brown RJ, Brett DJ. Electrochemical study of biotin-modified self-assembled monolayers: recommendations for robust preparation. *ScientificWorldJournal.* 2006 Jan 17;6:20-9. PubMed PMID: 16432625.
3. Wan J, Roth AF, Bailey AO, Davis NG. Palmitoylated proteins: purification and identification. *Nat Protoc.* 2007;2(7):1573-84. PubMed PMID: 17585299.
4. Shu W, Laue ED, Seshia AA. Investigation of biotin-streptavidin binding interactions using microcantilever sensors. *Biosens Bioelectron.* 2007 Apr 15;22(9-10):2003-9. Epub 2006 Oct 12. PubMed PMID: 17045792.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481