

Biotin-HPDP

Chemical Properties

CAS No. : 129179-83-5

Formula: C₂₄H₃₇N₅O₃S₃

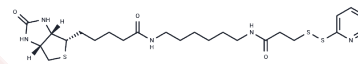
Molecular Weight: 539.78

Storage:

Keep away from direct sunlight, 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	Biotin-HPDP (Pyridyldithiol-biotin) is a sulfhydryl reactive biotinylation reagent.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 1 mg/mL (1.85 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8526 mL	9.263 mL	18.5261 mL
5 mM	0.3705 mL	1.8526 mL	3.7052 mL
10 mM	0.1853 mL	0.9263 mL	1.8526 mL
50 mM	0.0371 mL	0.1853 mL	0.3705 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

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- Zheng H, Chen H, Cai Y, et al. Hydrogen sulfide-mediated persulfidation regulates homocysteine metabolism and enhances ferroptosis in non-small cell lung cancer. *Molecular Cell.* 2024
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