

Biotin-4-aminophenol

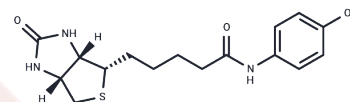
Chemical Properties

CAS No. : 901770-40-9

Formula: C₁₆H₂₁N₃O₃S

Molecular Weight: 335.42

Storage: Store at low temperature, Keep away from direct sunlight, Store under nitrogen
 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-4-aminophenol (BP) is a selective and potent biotin-phenol analog that works by generating free radicals and binding to tyrosine residues in proteins.
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Solubility Information

Solubility	DMSO: 240 mg/mL (715.52 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL (7.45 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9813 mL	14.9067 mL	29.8134 mL
5 mM	0.5963 mL	2.9813 mL	5.9627 mL
10 mM	0.2981 mL	1.4907 mL	2.9813 mL
50 mM	0.0596 mL	0.2981 mL	0.5963 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

Ke M, et al. Spatiotemporal profiling of cytosolic signaling complexes in living cells by selective proximity proteomics. Nat Commun. 2021;12(1):71.

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