

## Biotin-naphthylamine

## Chemical Properties

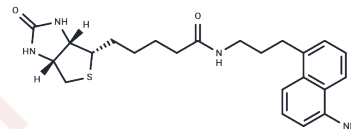
CAS No. : 2375201-60-6

Formula: C<sub>23</sub>H<sub>30</sub>N<sub>4</sub>O<sub>2</sub>S

Molecular Weight: 426.58

Storage: 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-naphthylamine is a biotinylated naphthylamine that serves as a substrate for APEX2 (ascorbate peroxidase 2), acting as a novel probe for labelling DNA and RNA.
Targets(IC50)	DNA

## Solubility Information

Solubility DMSO: 80 mg/mL (187.54 mM), Sonication is recommended.  
(< 1 mg/ml refers to the product slightly soluble or insoluble)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3442 mL	11.7211 mL	23.4423 mL
5 mM	0.4688 mL	2.3442 mL	4.6885 mL
10 mM	0.2344 mL	1.1721 mL	2.3442 mL
50 mM	0.0469 mL	0.2344 mL	0.4688 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

Liu Y, et al. Proximity chemistry in living systems[J]. CCS Chemistry, 2023, 5(4): 802-813.

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