

## Biotin-BMCC

## Chemical Properties

CAS No. : 188682-72-6

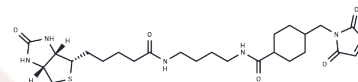
Formula: C<sub>26</sub>H<sub>39</sub>N<sub>5</sub>O<sub>5</sub>S

Molecular Weight: 533.68

Keep away from direct sunlight

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Biotin-BMCC is a maleimide conjugated biotin molecule that displays strong and specific binding affinity toward free thiol groups on cysteine residues. Biotin-BMCC is primarily employed as a biochemical probe in labeling studies and conjugation assays, where it enables thiol-selective biotinylation for subsequent detection and quantification applications.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 2.5 mg/mL (4.68 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	1.8738 mL	9.3689 mL	18.7378 mL
5 mM	0.3748 mL	1.8738 mL	3.7476 mL
10 mM	0.1874 mL	0.9369 mL	1.8738 mL
50 mM	0.0375 mL	0.1874 mL	0.3748 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

Brigidi GS, et al. Detection of protein palmitoylation in cultured hippocampal neurons by immunoprecipitation and acyl-biotin exchange (ABE). J Vis Exp. 2013 Feb 18;(72):50031.

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