

Product Name: Biotin Revision Date: 09/09/2024

OH

Product Data Sheet

C

NH

HN

H

Biotin

	101
Cat. No.:	A8010
CAS No.:	58-85-5
Formula:	C10H16N2O3S
M.Wt:	244.31
Synonyms:	D-Biotin,Vitamin H
Target:	Labels and tags
Pathway:	Biotinylation Reagents
Storage:	Store at -20°C

Solvent & Solubility

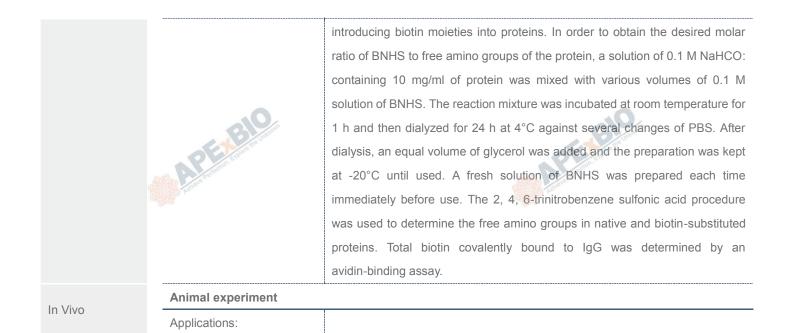
	Preparing	Mass Solvent Concentration	1mg	5mg	10mg
	Stock Solutions	1 mM	4.0932 mL	20.4658 mL	40.9316 mL
	PERBINATION	5 mM	0.8186 mL	4.0932 mL	8.1863 mL
		10 mM	0.4093 mL	2,0466 mL	4.0932 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary	Lysine probe coupled to mass spectrometry detection		
IC ₅₀ & Target	-10	E to uniner	
In Vitro	Cell Viability Assay		
	Preparation method:	Soluble in DMSO > 10 mM. General tips for obtaining a higher concentration:	
	Achere	Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic	
		bath for a while. Stock solution can be stored below -20°C for several months.	
	Reacting conditions:	room temperature for 1 h	
	Applications:	Biotin-labeling of proteins: Biotinyl-N-hydroxysuccinimide (BNHS) was used for	

1 | www.apexbt.com



Product Citations

See more customer validations on www.apexbt.com.

References

[1]. JEAN-LUC GUESDON, THERESE TERNYNCK AND STRATIS AVRAMEAS. The Use of Avidin-Biotin Interaction in Immunoenzymatic Techniques. THE JOURNAL OF HISTOCHEMISTRY AND CYTOCHEMISTRY. 1979.

APER BIC

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

