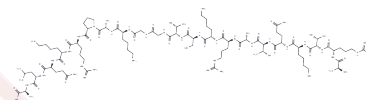


Histone H3 (1-21)

Chemical Properties

CAS No. :	873215-29-3
Formula:	C94H172N36O28
Molecular Weight:	2254.634
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Histone H3 (1-21) is a truncated form of the Histone H3 protein consisting of amino acids 1 to 21. It serves as a common substrate for methyltransferase assays targeting Histone 3 at lysine 4 and lysine 9, as well as for acetyltransferase assays targeting Histone 3 at lysine 9 and lysine 14.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4435 mL	2.2177 mL	4.4353 mL
5 mM	0.0887 mL	0.4435 mL	0.8871 mL
10 mM	0.0444 mL	0.2218 mL	0.4435 mL
50 mM	0.0089 mL	0.0444 mL	0.0887 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

Gauthier N, et al. Development of homogeneous nonradioactive methyltransferase and demethylase assays targeting histone H3 lysine 4. J Biomol Screen. 2012;17(1):49-58.

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