

Hexa-His

Chemical Properties

CAS No. : 64134-30-1

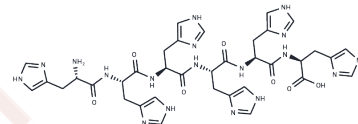
Formula: C₃₆H₄₄N₁₈O₇

Molecular Weight: 840.85

Keep away from moisture, Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hexa His is an amino acid sequence consisting of 6 His residues in a row, it is also known as hexa histidine-tag, 6xHis-tag, and by the trademarked name His-tag. Hexa His Responsible for the degradation of GM2 gangliosides, and a variety of other molecules containing terminal N-acetyl hexosamines, in the brain and other tissues.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 50 mg/mL (59.46 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	1.1893 mL	5.9464 mL	11.8927 mL
5 mM	0.2379 mL	1.1893 mL	2.3785 mL
10 mM	0.1189 mL	0.5946 mL	1.1893 mL
50 mM	0.0238 mL	0.1189 mL	0.2379 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

Waty J, et al. Insight into the coordination and the binding sites of Cu(2+) by the histidyl-6-tag using experimental and computational tools. Inorg Chem. 2014 Jul 7;53(13):6675-83.

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