

st-Ht31

Chemical Properties

CAS No. : 188425-80-1

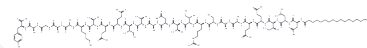
Formula: C129H217N29O39

Molecular Weight: 2798.27

Keep away from moisture

Storage: 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	Stearedated form of the peptide Ht-31. Inhibits the interaction between the RII subunits of cAMP-dependent PKA and A-kinase anchoring protein (AKAP) in cell extracts. Cell permeable.
Targets(IC50)	PAK

Solubility Information

Solubility	0.1% Ammonia: 1 mg/mL (0.36 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	0.3574 mL	1.7868 mL	3.5736 mL
5 mM	0.0715 mL	0.3574 mL	0.7147 mL
10 mM	0.0357 mL	0.1787 mL	0.3574 mL
50 mM	0.0071 mL	0.0357 mL	0.0715 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

Gorshkov et al (2017) AKAP-mediated feedback control of cAMP gradients in developing hippocampal neurons. Nat.Chem.Biol. 13 425 PMID: 28192412

Vijayaraghavan et al (1997) Protein kinase A-anchoring inhibitor peptides arrest mammalian sperm motility. J.Biol. Chem. 272 4747 PMID: 9030527

Carr et al (1992) Association of the type II cAMP-dependent protein kinase with a human thyroid RII-anchoring protein. Cloning and characterization of the RII-binding domain. J.Biol.Chem. 267 13376 PMID: 1618839

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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