

Nonapeptide-1 acetate salt (158563-45-2 free base)

Chemical Properties

CAS No. :

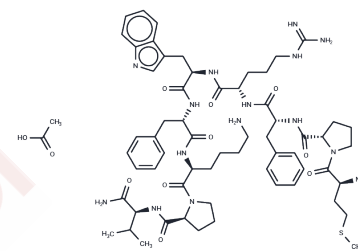
Formula: C63H91N15O11S

Molecular Weight: 1266.58

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	Nonapeptide-1 acetate salt (158563-45-2 free base) (Melanostatine-5 acetate salt), a peptide hormone, is a potent α -Melanocyte-stimulating hormone (α -MSH) antagonist, with an IC50 of 11 nM. Nonapeptide-1 acetate salt (158563-45-2 free base), a peptide hormone, is a potent α -Melanocyte-stimulating hormone (α -MSH) antagonist, with an IC50 of 11 nM.
Targets(IC50)	Melanocortin Receptor

Solubility Information

Solubility	DMSO: 10 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	0.7895 mL	3.9476 mL	7.8953 mL
5 mM	0.1579 mL	0.7895 mL	1.5791 mL
10 mM	0.079 mL	0.3948 mL	0.7895 mL
50 mM	0.0158 mL	0.079 mL	0.1579 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

Jayawickreme CK, et al. Discovery and structure-function analysis of alpha-melanocyte-stimulating hormone antagonists. J Biol Chem. 1994 Nov 25;269(47):29846-54.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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