

Apelin-13 TFA (217082-58-1 free base)

Chemical Properties

CAS No. :

Formula: C71H112F3N23O18S

Molecular Weight: 1664.85

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	Apelin-13 is an endogenous ligand of APJ receptor, and the EC 50 value of activated G protein coupled receptor is 0.37 nM.
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Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6007 mL	3.0033 mL	6.0065 mL
5 mM	0.1201 mL	0.6007 mL	1.2013 mL
10 mM	0.0601 mL	0.3003 mL	0.6007 mL
50 mM	0.012 mL	0.0601 mL	0.1201 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

Tatemoto, K., Hosoya, M., Habata, Y., et al. Isolation and characterization of a novel endogenous peptide ligand for the human APJ receptor. Biochemical and Biophysical Research Communications 251, 471-476 (1998).

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