

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

Chemical Properties

CAS No. :	TP1424
Formula:	C71H112F3N23O18S
Molecular Weight:	1664.85
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year

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.

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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