

PACAP (1-27), human, ovine, rat TFA

Chemical Properties

CAS No. :

Formula: C144H225F3N40O41S

Molecular Weight: 3261.68

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	PACAP (1-27), human, ovine, rat TFA (PACAP 1-27 TFA), an N-terminal fragment of PACAP-38, is an effective PACAP receptor antagonist with IC50 values of 3 nM for rat PAC1, 2 nM for rat VPAC1, and 5 nM for human VPAC2.
Targets(IC50)	PACAP

Solubility Information

Solubility	H2O: 100 mg/mL (30.66 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	0.3066 mL	1.533 mL	3.0659 mL
5 mM	0.0613 mL	0.3066 mL	0.6132 mL
10 mM	0.0307 mL	0.1533 mL	0.3066 mL
50 mM	0.0061 mL	0.0307 mL	0.0613 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

Gourlet P, et al. Fragments of pituitary adenylate cyclase activating polypeptide discriminate between type I and II recombinant receptors. Eur J Pharmacol. 1995 Dec 4;287(1):7-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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