

PACAP-38 (31-38), human, mouse, rat TFA

Chemical Properties

CAS No. :

Formula: C49H84F3N17O13

Molecular Weight: 1176.29

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-38 (31-38), human, mouse, rat (TFA), exhibits potent, efficacious, and sustained stimulatory effects on sympathetic neurons.
Targets(IC50)	ERK,EGFR,Calcium Channel,Reactive Oxygen Species

Solubility Information

Solubility	H2O: 100 mg/mL (85.01 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	0.8501 mL	4.2507 mL	8.5013 mL
5 mM	0.170 mL	0.8501 mL	1.7003 mL
10 mM	0.085 mL	0.4251 mL	0.8501 mL
50 mM	0.017 mL	0.085 mL	0.170 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

Braas KM, et al. Pituitary adenylate cyclase-activating polypeptides, PACAP-38 and PACAP-27, regulation of sympathetic neuron catecholamine, and neuropeptide Y expression through activation of type I PACAP/VIP receptor isoforms. Ann N Y Acad Sci. 1996 Dec 26;805:204-16.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481