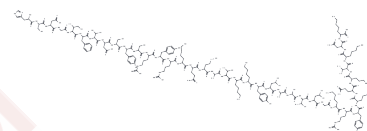


PACAP (1-38), human, ovine, rat

Chemical Properties

CAS No. :	137061-48-4
Formula:	C203H331N63O53S
Molecular Weight:	4534.26
Storage:	Keep away from moisture, Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PACAP (1-38), human, ovine, rat (Pituitary Adenylate Cyclase Activating Polypeptide 38), is a neuropeptide comprising 38 amino acid residues.
Targets(IC50)	PACAP
In vitro	Pituitary adenylate cyclase-activating polypeptide with 38 residues (PACAP 1-38) dramatically prevents injury of cultured renal proximal tubule cells caused by myeloma light chains through suppression of proinflammatory cytokines production, by inhibiting p38 MAPK and translocation of NFkappaB via both PAC(1) and VPAC(1) receptors[1].

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2205 mL	1.1027 mL	2.2054 mL
5 mM	0.0441 mL	0.2205 mL	0.4411 mL
10 mM	0.0221 mL	0.1103 mL	0.2205 mL
50 mM	0.0044 mL	0.0221 mL	0.0441 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.

Gourlet P, André Vandermeers, Vandermeers-Piret M C, et al. Fragments of pituitary adenylate cyclase activating polypeptide discriminate between type I and II recombinant receptors[J]. European Journal of Pharmacology, 1995, 287(1):0-11.

Akira Arimura, Min Li, Vecihi Batuman. Potential Protective Action of Pituitary Adenylate Cyclase-Activating Polypeptide (PACAP38) on in Vitro and in Vivo Models of Myeloma Kidney Injury. 2006 Jan 15;107(2):661-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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