

PACAP (trifluoroacetate salt) Biochemical | PACAP biochemical

PACAP (6-27)(human, chicken, mouse, ovine, porcine, rat)(trifluoroacetate salt)

CATALOG #
AAA227159

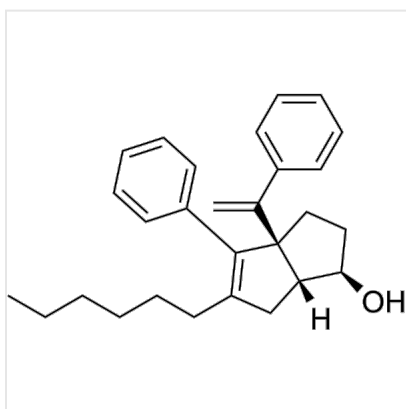
PRODUCT SYNONYMS

PACAP (trifluoroacetate salt); PACAP (6-27)(human; chicken; mouse; ovine; porcine; rat)(trifluoroacetate salt); PACAP biochemical

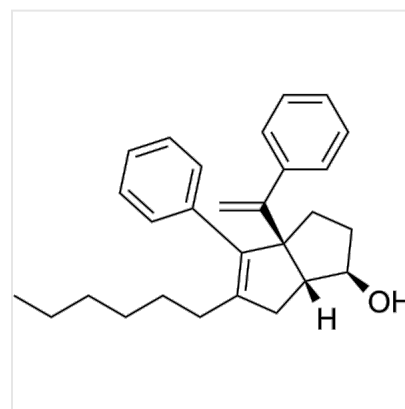
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	H ₂ O: 1 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vivo, in newborn pigs, PACAP (6-27)(10 uM) inhibits vasodilation of pial arterioles induced by PACAP (1-27) and PACAP (1-38). It also inhibits PACAP (1-27)-stimulated increases in plasma insulin and glucagon levels and pancreatic venous blood flow in dogs when administered locally to the pancreas at a dose of 500 ug.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
RJW100, CAS 1276664-20-0



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ADDITIONAL INFORMATION

Related Product Information for PACAP biochemical	Pituitary adenylate cyclase-activating peptide (PACAP)(6-27) is a PACAP receptor antagonist with IC ₅₀ values of 1,500, 600, and 300 nM, respectively, for rat PAC1, rat VPAC1, and human VPAC2 recombinant receptors expressed in CHO cells. It binds to PACAP receptors on SH-SY5Y and SK-N-MC human neuroblastoma and T47D human breast cancer cells (IC ₅₀ s = 24.5, 106, and 105 nM, respectively) and inhibits cAMP accumulation induced by PACAP (1-38)(K _i s = 457, 102, and 283 nM, respectively, in SH-SY5Y, SK-N-MC, and T47D cells).
References	- Richard J Whitby, et al. Small molecule agonists of the orphan nuclear receptors steroidogenic factor-1 (SF-1, NR5A1) and liver receptor homologue-1 (LRH-1, NR5A2). J Med Chem. 2011 Apr 14;54(7):2266-81. - Yuxia Zhang, et al. Regulation of miR-200c by nuclear receptors PPARalpha, LRH-1 and SHP. Biochem Biophys Res Commun. 2011 Dec 9;416(1-2):135-9.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/pacap-trifluoroacetate-salt/227159>