

PACAP27 Active Peptide

PACAP27

CATALOG #
AAA60606

PRODUCT SYNONYMS

PACAP27; PACAP27 active peptide

PRODUCT SPECIFICATIONS

Form/Format	White amorphous powder
Concentration	This vial contains exactly 0.54 mg (0.17 µmol) of the titled compound, which has been lyophilized as an amorphous powder from aqueous solution. (varies by lot)
Sequence	PituitaryA denylateCy claseActiv atingPolyp eptide27(H uman,1-27A mide)His-S er-Asp-Gly -Ile-Phe-T hr-Asp-Ser - Tyr-Ser-A rg-Tyr-Arg -Lys-Gln-M et-Ala-Val -Lys-Lys-T yr-Leu-Ala -Ala-Val-L eu-NH ₂
Cas Number	127317-03-7
Solution	Do not remove cap. Inject 1.7 ml of distilled water into the vial using a calibrated syringe. Dissolve all the contents thoroughly. This procedure furnishes a 0.1mM solution of the titled compound.
Specific Optical Rotation	[α] _D ²⁴ -69.3 ° (c* 0.17, 1% AcOH) * c was calculated from the net peptide weight.
Elemental Analysis	Found C, 50.24; H, 7.31; N, 15.29
Mass Spectral Analysis	Exhibits correct MW
Amino Acid Analysis	Acid Hydrolysis: 6M HCl, 100°C, 22h. Asp (2) 2.00 Thr (1) 0.97 Ser (3) 2.66 Glu (1) 1.02 Gly (1) 1.00 Ala (3) 3.00 Val (2) 1.91 Met (1) 0.96 Ile (1) 0.95 Leu (2) 2.02 Tyr (3) 3.12 Phe (1) 0.95 Lys (3) 2.96 NH ₃ (2) 2.31 His (1) 1.02 Arg (2) 1.98
Preparation and Storage	Powder: The undissolved peptide should be stored -20°C. Solution: After preparing 100 - 200 µl aliquots, freeze them at -20°C or below until use. The aqueous solution should be used within a few weeks.

ADDITIONAL INFORMATION

Related Product Information for PACAP27 active peptide	C ₁₄₂ H ₂₂₄ N ₄₀ O ₃₉ S
Product Categories/Family for PACAP27 active peptide	Biologically Active Peptide

NCBI AND UNIPROT INFORMATION

Molecular Weight	M.W: 3147.6
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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.