

PACAP (6-38), human, ovine, rat**Cat. No.:** RP10338-0.5**Size:** 0.5 mg**Description:**

PACAP (6-38) is a potent antagonist of PACAP 38. PACAP (6-38) is much more potent and selective than PACAP (6-27) in the inhibition of PACAP-27-stimulated pituitary adenylate cyclase. K_i values for the inhibition of the enzyme were 7nM and 150 nM, respectively. PACAP (6-38) caused a small but significant (approximately 20%) inhibition of the NANC relaxation due to electrical field stimulation (1 Hz or 10 Hz for 20 s). At these frequencies PACAP (6-38) caused no inhibition of the NANC relaxation in the presence of the P2 purinoceptor antagonist pyridoxal-phosphate-6-azophenyl-2',4'-disulphonic acid (or PPADS) plus the NO-synthase blocker NG-nitro-L-arginine; in preparations pretreated with L-NOARG alone, PACAP (6-38) retained its inhibitory effect.

C-Terminal: NH₂**Sequence (one-letter code):**FTDSYSRYRKQMAVKKYLA AVL GKRYKQRVKNK-NH₂**Sequence (three-letter code):**

{PHE}{THR}{ASP}{SER}{TYR}{SER}{ARG}{TYR}{ARG}{LYS}{GLN}{MET}{ALA}{VAL}{LYS}{LYS}{TYR}{LEU}{ALA}{ALA}{VAL}{LEU}{GLY}{LYS}{ARG}{TYR}{LYS}{GLN}{ARG}{VAL}{LYS}{ASN}{LYS}-NH₂

Solubility: Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.

Formula: C₁₈₂H₃₀₀N₅₆O₄₅S₁**Molecular Weight:** 4,024.76**Purity:** > 95%**Storage:**

Store the peptide at -20°C.

Note: This peptide is a potent agonist.

*For Non-Clinical Research Use Only *

