

[Phe17]-Apelin 17

Apelin-17 is an endogenous ligand of the human orphan G protein-coupled receptor APJ, reported to act as a coreceptor of CD4 for human and simian immunodeficiency viruses. Apelin-17 and apelin-13 represent the predominant molecular forms of apelin present in the whole brain, hypothalamus, and plasma. Like apelin-13, apelin-17 exhibited a high activity on extracellular acidification rate and strongly inhibited forskolin-stimulated cAMP production in CHO cells expressing the human or the rat apelin receptor. The peptide might play a crucial role in the maintenance of body fluid homeostasis by counteracting AVP (arginine vasopressin) actions through inhibition of AVP neuron activity and AVP release.

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| Catalog No. | 5991738 |
| Size | |
| Product Category | Catalog Peptide |
| Sequence | Lys-Phe-Arg-Arg-Gln-Arg-Pro-Arg-Leu-Ser-His-Lys-Gly-Pro-Met-Pro-Phe |
| CAS No. | 217082-57-0 |
| Mol. Formula | C ₉₆ H ₁₅₆ N ₃₄ O ₂₀ S |
| Mol. Weight | 2138.59 |
| Purity | > 95% |
| MOQ | 1 mg |
| Storage/Stability | -20°C/1 year |
| Shipping | Gel Packs |