

# PACAP-38

## Category: Cognitive

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### Description

Pituitary Adenylate Cyclase-Activating Polypeptide-38 is a neuropeptide with broad neurotrophic, anti-apoptotic, and neuroprotective effects. It stimulates cAMP signaling and modulates stress responses.

### Protocol & Dosage

Recommended dosage: Intranasal research dosing under investigation

Biological half-life: ~5 minutes (tissue effects prolonged)

Administration: Subcutaneous injection (typical)

### Key Benefits & Mechanisms

- ✓ Neuroprotection
- ✓ Enhanced neuroplasticity
- ✓ BDNF upregulation
- ✓ Anti-inflammatory in the brain
- ✓ Improved memory under stress

### Side Effects & Safety Profile

- ✓ Headache
- ✓ Migraine-like episodes
- ✓ Vasodilation
- ✓ Limited human data

### Important Disclaimer

This document is provided for educational and research purposes only. Peptides discussed herein are not approved for clinical use without physician oversight.

Never attempt self-administration without professional medical supervision.

Black market peptides can be contaminated, mislabeled, or dangerous.