



# Matrix BioLabs

Peptides

## Semax 10mg

### Overview

Semax is a synthetic heptapeptide analog of the adrenocorticotrophic hormone (ACTH 4-10) fragment. It was originally developed in Russia and is primarily researched for its strong nootropic, neuroprotective, and neurogenic properties. Semax is known for its ability to cross the blood-brain barrier effectively and support brain health without significant hormonal side effects.

### Benefits

Key benefits include enhanced cognitive function, improved memory and learning capacity, increased mental clarity and focus, faster recovery from brain injuries or stress, and neuroprotective effects. It is often studied for applications in stroke recovery, cognitive enhancement, ADHD-like symptoms, and overall mental performance.

### Dosage

300–600 mcg per day, often split into 2–3 doses. It can be administered subcutaneously or via nasal spray. Research cycles typically last 10–20 days, followed by a break.

### Reconstitution

Add 3ml of BAC water. This yields approximately 3.33 mg/ml concentration.

- 300 mcg dose = 9 units on a U-100 insulin syringe
  - 500 mcg dose = 15 units on a U-100 insulin syringe
  - 600 mcg dose = 18 units on a U-100 insulin syringe
- Store the reconstituted solution in the refrigerator and follow standard stability guidelines.