

## Peptide synthesis

Custom peptides are important tools in drug discovery and proteomic research. They can be used as antigens, enzymatic substrates and in many other ways.

Covalab has many years of experience in the field of custom peptide synthesis and provides high-quality peptides, which may or may not include custom chemical modifications.

### Synthesis

Covalab offers you a large range of peptides, synthesised using Fmoc solid phase chemistry:

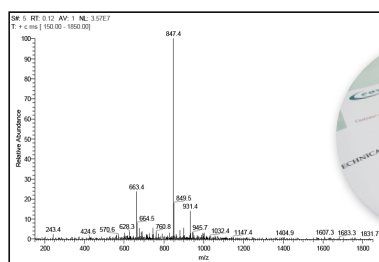
- **Peptide length:** from 6 to 50 aa
- **Amount scale:** from 2 mg to 1g
- **Purity levels:** 70%, 85% or 95%
- **With or without labellings and modifications**

For each peptide, you will receive:

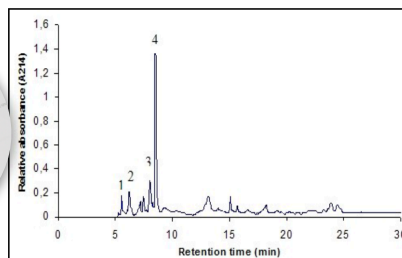
The lyophilised peptide

The analysis report: HPLC and mass spectrometry profiles

Handling and storage recommendation sheet.



Mass spectrometry profiles



HPLC chromatogram

### Modifications

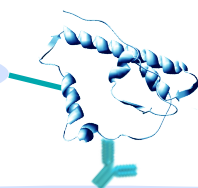
Covalab provides a wide range of peptide modifications for a variety of applications including:

- Chemical modifications: acetylation, amidation, phosphorylation...
- Fluorescent labelling: FITC, rhodamine...
- Radioisotopic labelling
- D-form amino acids
- Cyclisation, and many others.

### Associated Services

Post-synthesis labelling (ALP, HRP, biotin...)

Conjugation to a carrier protein (KLH, OVA, BSA)



Immunisations (rabbits, mice, rats, guinea pigs, chicken or goats)