

Peptide APIs
Custom Peptides
FMOC/Z - Building Blocks



Our Peptide Synthesis Services

Synthetic Peptides are finding increasing use as therapeutics, diagnostics, for antibody production, and as tools for understanding biological processes. Neuland's peptide synthesis services include production of peptides from milligrams to multi-kilogram scale by standard sequential chemical peptide syntheses and segment condensation strategies.

Most peptides between five and sixty amino acids are produced by standard solid phase peptide synthesis (SPPS) procedures. Multiple kilos of shorter length (up to 9 amino acids) are produced by solution phase methods. For longer peptides, containing up to 120 amino acids, segment condensation and ligation techniques are employed.

Neuland has expertise in both solution phase and solid phase synthesis methodologies. We have recently produced 35 kg of a Decapeptide NCE cGMP for a US based company by solution phase segment condensation of two pentapeptide key starting materials. The N-terminal KSM utilized a pseudoproline at its C terminus. (Further details of this project can be found in 'Projects Realised!')

Neuland has also developed a preparative HPLC technique which is 10 to 20x better in throughput compared to the standard preparative HPLC technique. This makes purification less laborious and economical due to increased output, lower purification related cost.

These aforementioned abilities enable Neuland to offer the highest quality peptide products at competitive prices. Please put us to work for you.

Capabilities

Synthesis of Peptide APIs, NCEs & Other Services

- cGMP manufacture of peptide APIs, NCEs, and impurities
- Process development; route scouting; optimization & validation; and impurity profiling
- Large scale manufacture of complex amino acids and Fmoc-building blocks such as Pseudoprolines, Isoacyl Peptides, Dmb-derivatives, N-Methyl amino acids, etc.

Drug Development Support

- Supply of material for clinical trials
- Scale up from lab to pilot to commercialisation

Analytical R&D

- Analytical method development and validation
- Impurity profiling and validation
- Stability studies
- Supply of analytical reference standards

Regulatory Support

Filing DMF with the appropriate regulatory agencies

For more information please visit www.neulandlabs.com



Neuland's Peptide World

From building blocks to commercial production of peptide APIs

Process R&D Center	Aid in Drug Design and Analog Synthesis	Custom Process Development
Intermediates and Peptide Fragments	Novel Routes for Synthesis	Supply of protected Amino Acids and Building Blocks
Manufacturing Services	Scale up supply of Clinical Trial Material	Scale up from Lab to Pilot and Commercialization
Analytical and Regulatory Support	Analytical Method Development and Validation	Impurity Profiling, Validation Analytical Reference Standards
Generic Peptide API Manufacturing	cGMP Manufacturing of Peptide APIs with Regulatory Support	

We request our customers in **North America** contact

Saradhi Bolli

Vice President -
Business Development, USA
Mobile: +1 732 789 8983
Email: saradhi@neulandlabs.com

We request our customers in **Europe & ROW** contact

Nicola Giubellina

Vice President -
Business Development, Europe
Mobile: +41 75 429 9008
Email: nicola@neulandlabs.com



Core Expertise

- Solution Phase Synthesis
- Solid Phase Synthesis
- Hybrid Technology for Complex Peptides

Demonstrated expertise in the manufacture of peptide APIs (5-50 AAs) using solution Phase and hybrid technologies.

Difelikefalin, Leuprolide, Octreotide and Eptifibatid (solution synthesis products)

Semaglutide, Liraglutide and Tirzepatide (hybrid technology products). Evaluation samples available on request.

Your partner for development and cGMP manufacture of Fmoc building blocks (Isoacyl Dipeptides, N-Methyl amino acids, Azido and other high value amino acids.)

List of Building Blocks

- Isoacyl Dipeptides
- Dmb Derivatives
- Hmb Derivatives
- Lysine Derivatives
- N-Methyl Amino Acids

Other Products


- 30- Pseudoprolines

India Corporate Office | Tel: +91 40 67611600
USA Office | Tel: +1 (888) 617 958
Europe Office | Tel: +41 75 429 9008
Japan Office | Tel: +81 3 3526 5171


For more information, please write to us at marketing@neulandlabs.com

www.neulandlabs.com


The Dedicated 100% API Provider



GDS
Generic Drug Substances



CMS
Custom Manufacturing Solutions



Peptides