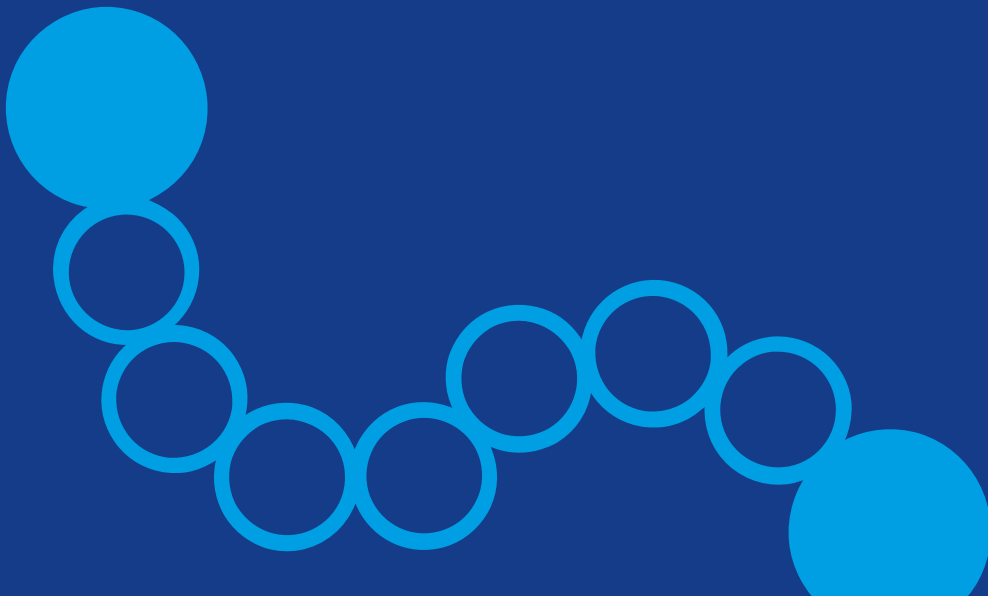


Peptides

From Pre-Clinical to Commercial



Your Expert Partner

for Peptide Manufacturing

With decades of experience and a strong track record in development and cGMP manufacturing, we offer a **fully integrated supply solution** spanning drug substance and drug product. From **pre-clinical development through successful commercialization**, we are the trusted **peptide partner you need** for a successful market launch.

Our core peptide products and services include:

- Complex peptides & peptidomimetics.
- BLA peptides >39 amino acid residues.
- Peptide conjugation to various moieties (PEGs, oligonucleotides, small molecules, lipids, carbohydrates, cytotoxic payloads).
- Cyclic & multiple disulfide bridge peptides.
- Short peptides and fragments (up to 12 residues), often without HPLC purification.

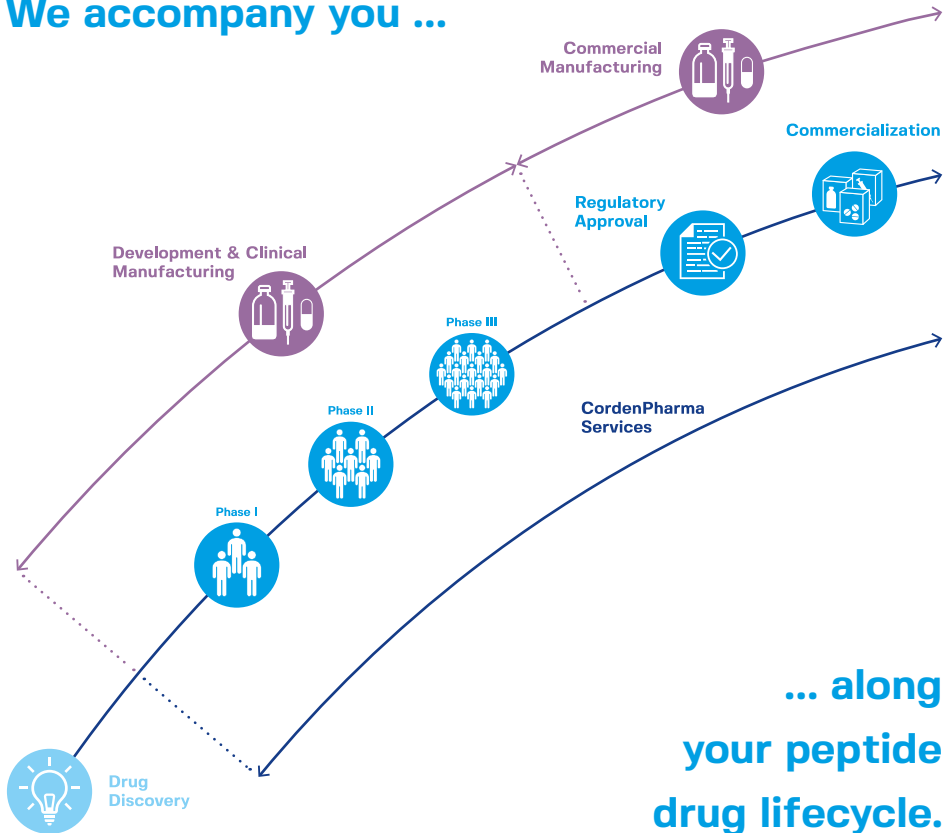


Quality &
compliance first



Delivering precision,
scalability and quality
at every step.

We accompany you ...



**... along
your peptide
drug lifecycle.**

Your One Partner Benefits



Integrated Peptide Supply

Access fully-integrated solutions, from API development to finished drug product in injectable or oral dosage forms, within a global facility network across Europe, North America, and Asia.



Proven Peptide Manufacturing

Leverage SPPS, LPPS, Tag-assisted and hybrid approaches at any scale, with expert capabilities in peptide modifications, conjugations, peptidomimetics, and targeted payload delivery.



Sustainable Peptide Innovation

Adopt more sustainable and cost-effective strategies like Tag-Assisted Peptide Synthesis (TAPS) - alongside innovations in Process Analytical Technology (PAT), continuous chromatography, spray-drying, and Super Fluid Chromatography (SFC).



Regulatory & Analytical Services

Receive expert regulatory support throughout all lifecycle stages, along with comprehensive analytical development and validation services.



Trusted Quality & Compliance

Rely on our commitment to seek the highest standards of quality & compliance as the foundation of all our services.



End-to-End Partnership Made Easy

Benefit from one company and one point of contact for both drug substance and drug product, with streamlined, transparent process collaboration, featuring real-time progress tracking (SmartSheet), and aligned project management by peptide experts across our facility network.

Early Development to Clinical Stages

We offer **tailored CMC and regulatory support at every development phase**, providing end-to-end guidance aligned with global regulatory expectations. Our phase-appropriate solutions are calibrated to deliver the right balance of speed, technical depth, and cost-efficiency to support your program's success.



Lyophilization
room and oper-
ator performing
loading process.

Discover our
Peptide services



Your Reliable Partner

for Peptide-Based Drug Products

We are a uniquely positioned western and eastern supplier offering its expertise in true end-to-end peptide manufacturing services **from drug substance to fill & finish injectable and oral solid dose manufacturing**, with geographical flexibility.

Our GMP-compliant sterile injectable facility offers comprehensive formulation development and manufacturing services for both aseptic and terminal sterilization fill-finish processes. We support a wide range of presentations, including Pre-Filled Syringes (PFS), ampoules, both liquid and lyophilized vials, as well as combination device products, and **packaging / labeling**.

Our Drug Product Innovation Centre of Excellence specializes in the development of **oral peptide dosage forms**, with seamlessly and efficiently integrated services across the entire value chain.

Oral peptide dosage forms
at CordenPharma.

Aseptic fill & finish
at CordenPharma.





Expert personnel
driving precision
through process
control.

Commercial Manufacturing

We offer **proven scale-up capabilities** - from grams to metric tons - powered by decades of experience. Our team supports your program through every stage, ensuring consistent quality and a smooth path to commercial launch.

We are at the forefront of **sustainable peptide manufacturing**, leveraging **innovative technologies** such as Tag-Assisted Peptide Synthesis (TAPS), Process Analytical Technology (PAT), continuous chromatography, and Supercritical Fluid Chromatography (SFC) to minimize environmental impact while maximizing efficiency.

Advanced Peptide Technologies

Upstream & Downstream

Solid-Phase Peptide Synthesis (SPPS)

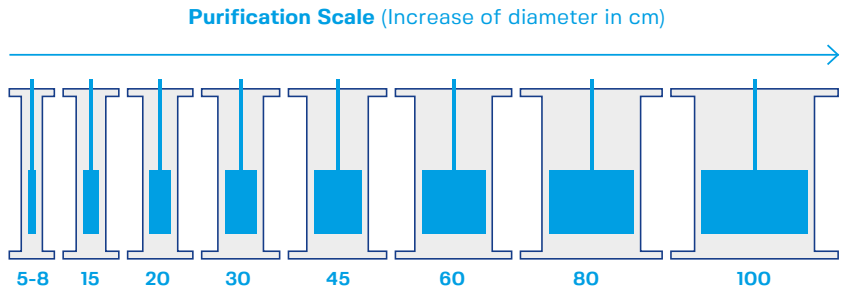
- Fully-automated GMP reactors ranging from 12 L to 10,000 L to produce grams to multi-100-kilogram quantities per batch under cGMP, offering batch size flexibility and efficiency.
- Robust and efficient large-scale peptide production, fully-supported by integrated solvent and waste-handling logistics, warehousing, and purpose-built site infrastructure.

Liquid-Phase Peptide Synthesis (LPPS)

- Suitable technology for large-scale manufacturing of short peptides.
- Hybrid approach consisting of coupling of shorter SPPS-generated sequences in solution.
- Various peptide modifications and conjugations.

Tag-Assisted Peptide Synthesis (TAPS)

- Advantages of SPPS and LPPS combined in one approach.
- Substantial reduction of PMI (>90% less solvents, >50% less raw materials).
- Use of standard small molecule manufacturing equipment which eliminates the SPPS specific equipment.
- Aggregation-prone peptides easier to handle with TAPS than conventional SPPS.



Your reliable partner at any stage of development

Purification

- HPLC batch purification with various sets of columns ranging from very small to >100 cm diameter.
- Multi-column Counter-current Solvent Gradient Purification (MCSGP).

Isolation

Various isolation techniques:

- **Lyophilization:** mostly suitable from 100L to 1000L.
- **Precipitation:** substantial expertise in peptide precipitation. Very cost-effective and suitable for any scale, especially for large volumes.
- **Spray-drying:** typically delivers bulk density between precipitated and lyophilized material. Suitable at any scale.

Fully-Integrated Services

for All Your Drug Substance and Drug Product Needs

Products	Services	Manufacturing Sites*
Peptide Drug Substance and Intermediates	→ Largest SPPS reactor worldwide & very large downstream capacity	CP Colorado, USA CP Frankfurt, DE
	→ Highly potent peptide manufacturing	CP Liestal, CH
	→ Process & analytical development	CP Shanghai, CN
	→ Clinical & commercial supply from grams to multi-metric tons	CP South Carolina, USA
Oral Peptide Drug Product	→ Formulation development	CP Plankstadt, DE
	→ Permeability enhancement	
	→ Scale-up, clinical & commercial supply	
Injectable Peptide Drug Product	→ Formulation development	CP Caponago, IT
	→ Clinical & commercial supply of: pre-filled syringes, vials, lyophilized vials, auto-injector-finished product	

* **Our cGMP facilities** are fully compliant with current regulatory requirements and applicable standards, while undergoing frequent regulatory inspections and customer audits.





Peptides



Oligonucleotides



Lipids & LNPs



Injectables



Highly Potent
& Oncology



Small Molecules

CordenPharma

International

Aeschenvorstadt 71
4051 Basel
Switzerland

cordenpharma.com

Get in touch
with our experts

