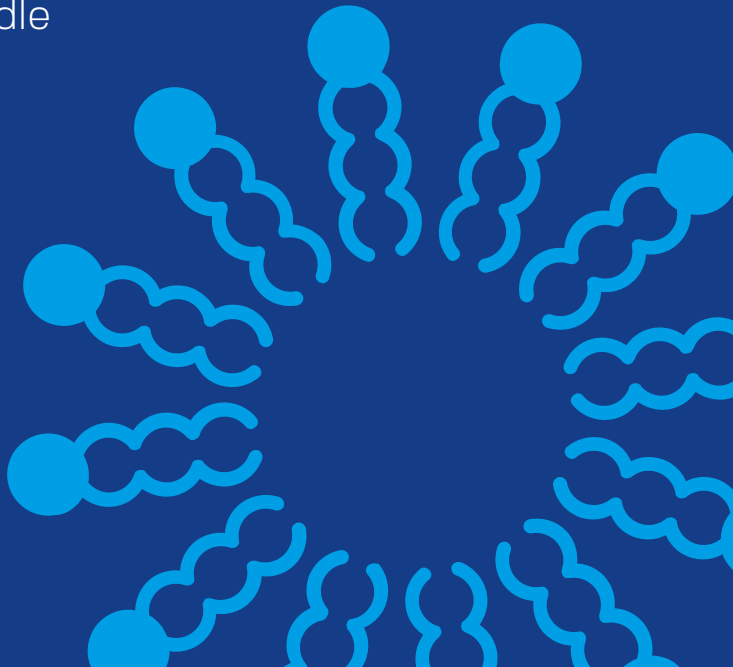


Lipids

From Nucleic Acid
Vehicle to Needle



Your Expert Partner

for Pre-Clinical to Commercial Lipid Drug Product Supply

No matter the scale or phase of development, we can support you in developing groundbreaking medicines with both **custom and standard synthetic lipids**. At the heart of our success is a **dedicated team of lipid experts** leveraging proven methods and cutting-edge technologies to ensure the excellence of your final lipid-based products.

Our experience manufacturing **cGMP carbohydrates (including GalNAc) and fatty side-chains for long-acting peptides**, combined with end-to-end supply of custom APIs, brings added value to customers developing conjugated products.

Our lipids offering:

- Synthetic lipid process development, scale-up and large-scale manufacturing
- cGMP certified supplier of highly efficient custom lipid excipients
- High-quality standard lipids supported by a DMF
- Lipids for support of xRNA vaccine production
- IP friendly ionizable/cationic lipids

Discover our
Lipid & LNP services



We accompany you ...



... along
your lipid
supply journey.

Your One Partner Benefits



Standard & Custom Lipids

Access high-quality standard and custom lipids, supported by expert process development, scale-up, and large-scale manufacturing capabilities.



Ultrapure Lipids

Rely on high-quality lipids backed by four decades of experience and robust analytical validation for confidence in every batch.



Fully-Integrated Supply

Receive adaptable support for multiple programs at any scale & stage of (functional) excipients and / or API development & commercialization.



Regulatory Support

Leverage regulatory expertise to manage your product's compliance at every step, including DMFs and CMC preparation, backed by a strong regulatory track record.



Versatile Lipid Expertise

Take advantage of our broad and proven lipid capabilities, from targeted delivery solutions like lipo-peptides and SORT LNPs to high purity fatty acid side-chains for long-acting peptides.



End-to-End Partnership Made Easy

Benefit from a single point of contact throughout your project for both APIs and drug products, streamlined process collaboration and aligned project management across our facility network.

Standard Synthetic Lipids

Our standard catalogue list presents a **vast selection** (>100 pharma-grade products) of **readily available derivatized lipids, stabilizers** (PEGylated lipids or mPep, our PEG-free patented polymers), **helper lipids** (phospholipids), **ionisable & cationic lipids, and sterols** (BotaniChol® (cholesterol from plant origin), β -Sitosterol, MOCHOL, CHEMS,..) for purchase in convenient 25 mg to 10 g pack sizes but also at multi 10 kgs GMP bulk scale. Letters of access are provided for all products that own a DMF.

We are continuously expanding our diverse portfolio of **high-purity lipids**, which are well-suited for research & discovery but representative of commercial-grade material. Whenever available, R&D grade material is retrieved from GMP commercial grade material to ensure quality and consistency throughout the project lifecycle.

**Large-scale lipid
production at
CordenPharma.**



**Discover our
Standard Lipid Catalogue**





Analytical
testing of
custom lipids at
CordenPharma.

Custom / Proprietary Lipids

With **API and drug product development and manufacturing** sites across Europe and the US, our integrated network adapts to your lipid project's size, stage, and complexity. Our **technology transfer** system allows seamless scale-up, ensuring your program stays on track. Our **local regulatory teams** expertly navigate global requirements - supporting DMFs and CMC preparation.

Fatty Acid Side-Chains

for Long-Acting Peptides

Access high-purity (>98%) fatty acid side-chain intermediates available in both non-GMP and GMP grades, with scalable supply from 10 kg to multi-100 kg quantities to support your long-acting peptide programs.

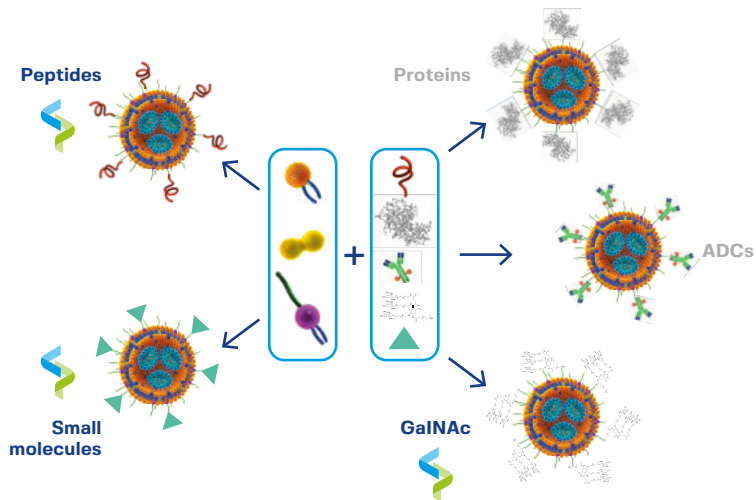
Widely used in peptide therapeutics, these side chains are a **key component** in GLP-1 receptor agonists for the treatment of type II diabetes and obesity - an area where our proven technology continues to meet growing demand.



Targeting from Design to Commercial

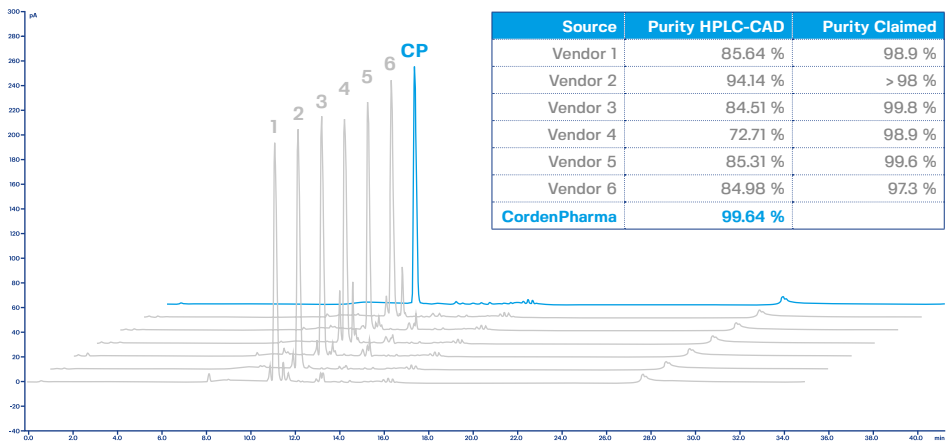
Access our proven lipid, peptide, small molecules and GalNAc expertise for the design, development, and manufacturing of your functionalized lipids for targeting modalities.

We developed Selective Organ Targeting (SORT) LNPs - engineered nanoparticles with an added lipo-vector to enhance cellular uptake and precisely deliver payloads to hepatic and extrahepatic tissues.



Ultrapure Lipids

Our lipids are of high purity, and we can prove it. In one example, our lipid development team used advanced HPLC-CAD analysis to compare LP-01 ionizable lipids from multiple global suppliers (EU, Asia, US). The results showed significant variability in purity, with CordenPharma's LP-01 delivering the highest purity level and outperforming all other samples. This is just one demonstration of our commitment to providing high-quality lipids backed by robust analytical validation.



Comparison of the purity of commercially-available ionizable lipid LP-01 by HPLC-CAD developed by CordenPharma

Fully-Integrated Services

for All Your Product Needs

| Products | Services | Manufacturing Sites |
|------------------------------------|---|----------------------------------|
| Injectable drug products | <ul style="list-style-type: none">→ LNP formulation→ Injectable drug products→ Fill & finish | CP Caponago, IT |
| Integrated lipid excipients supply | <ul style="list-style-type: none">→ BotaniChol®→ Phospholipids, custom lipids→ SFC purification R&D to commercial→ Custom PEG→ Side-chain→ Standard & custom lipids→ LNP starter kit→ Labelled lipids→ GalNAc | CP Chenôve, FR CP Liestal, CH |
| Advanced intermediates supply | <ul style="list-style-type: none">→ Fatty side-chains large-scale | CP Bergamo, IT |

* **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

