



AURIGENE

PHARMACEUTICAL SERVICES



Peptide CDMO Services

From Discovery to Commercial Manufacturing

AI-Led Discovery | Process Development
cGMP Manufacturing | Commercial Supply



- SPPS • LPPS
- Hybrid • Fragments
- TAPS

The platform is chosen for the molecule, not by default.

Not another peptide CDMO. A smarter way to synthesize the complex ones

Most peptide programmes are not difficult because of chain length. They are difficult because of sequence complexity – a coupling that stalls, an impurity that will not clear, a route that performs in the lab but not at scale.

Solving that doesn't take a bigger reactor. It takes better chemistry decisions, made earlier – and a manufacturing route designed to scale from day one. That is what Aurigene is built for.

At Aurigene, We customize the route design-not default to one

Strategic disconnection

We choose where to cut a difficult sequence to protect chirality and control impurities.

Fragment engineering

Complex chains built as purified fragments, then convergently assembled; impurities removed early, not chased at the end.

Right-method selection

SPPS, LPPS, Hybrid or emerging TAPS, matched to the molecule and its phase, not to house habit.

In-house building blocks

Natural and unnatural amino acids made under the same roof, controlling the scarcest, costliest part of the molecule.



Your Trusted Partner for Peptide Development & Manufacturing

Aurigene provides end-to-end peptide services spanning discovery, development, and commercial manufacturing. Our integrated approach combines advanced peptide chemistry, state-of-the-art synthesis platforms, process development expertise, and large-scale cGMP manufacturing capabilities.

Years of CDMO Experience
25+

Global Clients
125+

Scientists
900+

Commercialized NCEs
20+

Peptide Manufacturing Capacity
800+ kg/year

Manufacturing Countries
India, UK, Mexico

Global Footprint



Mexico, NA
Small Molecules,
Steroids & mPEGs



Cambridge, UK
Small Molecules,
Peptides & Oligos

Mirfield, UK
Small Molecules,
Prostaglandins &
mPEGs



Hyderabad, IN
Small Molecules, Peptides & Biologics

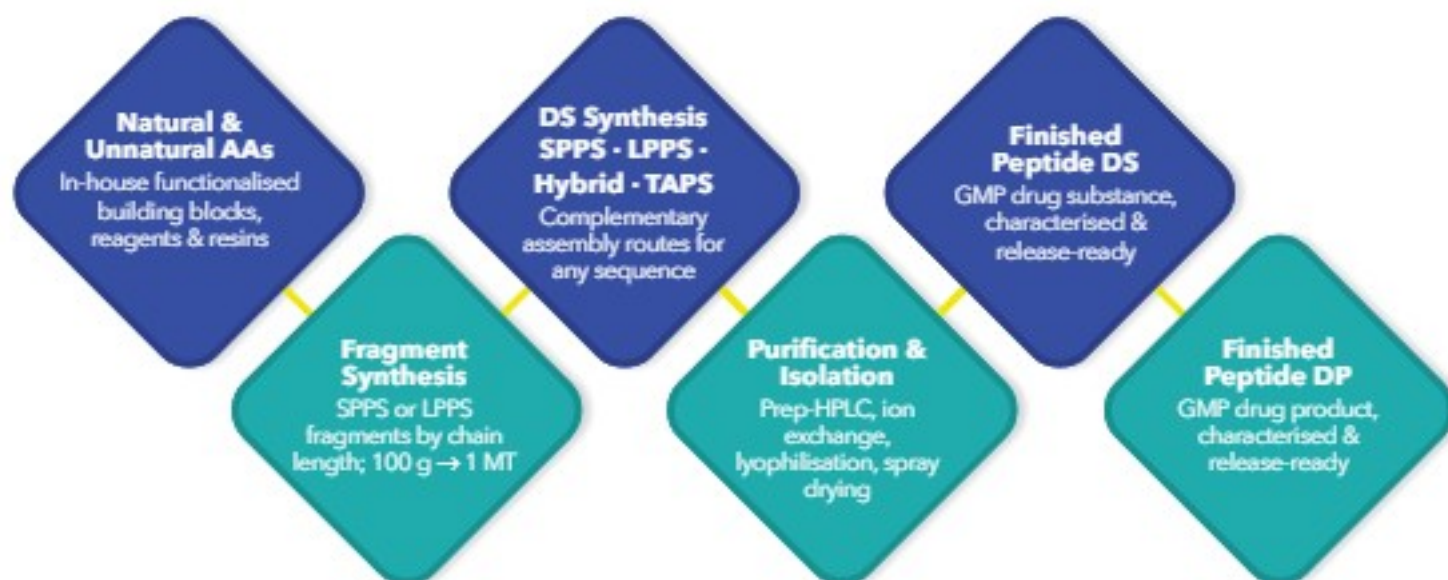
Visakhapatnam, IN
Small molecules, Peptides,
High Potent APIs

OSDs, Injectables and Topicals

Control the chemistry

Amino acid to Drug substance & Drug Product

A single, backward-integrated value chain – we control the building blocks, the fragments, the assembly chemistry and the downstream, so you consolidate, de-risk and scale peptides with one team.



Discovery & Development Discovery Services

Accelerating Innovation with AI-Driven Peptide Discovery

- AI-assisted peptide design
- Target validation
- Hit generation
- Lead identification
- Lead optimization
- Candidate nomination
- IND-enabling studies

Specialized Expertise

- Backbone modifications
- Cyclization
- Disulfide bridging
- Peptide conjugation
- Peptidomimetics
- Unnatural amino acids

Development Services

Synthesis Platforms

Automated SPPS

- Feasibility studies
- Process optimization
- Pilot supplies
- Reproducible & scalable processes
- Accelerated development timelines

Microwave-Assisted SPPS

- Rapid synthesis
- Improved purity
- Reduced cycle times

LPPS

- Efficient synthesis of long and complex peptides
- High-purity fragment intermediates through crystallization
- Improved scalability and process robustness
- Reduced synthesis complexity for challenging sequences

TAPS

- Low PMI, High applicability of green solvents, lower solvent waste.
- Cost-efficient large-scale synthesis
- Speed of SPPS & Kinetics of LPPS

Development Scale

Up to 3 kg (Peptide Kilo lab)

Linear peptides

Branched-chain peptides

Equipped with Automated SPPS
(CS Bio 936 S, 1 to 5 L)

- Microwave SPPS (Liberty Blue & Liberty Pro)
- Manual SPPS (3 x 10 L: 2x15 L), 60 L Semi-automated

Analytical & Quality Control

- Impurity mapping & structural assessment
- Racemization & epimerization control
- Orthogonal analytical methods
- Stability-indicating methods & validation
- CMC & regulatory documentation support

Synthesis

- 80 L, 200 L and 500 L SPPS reactors
- Dedicated microwave platform
- 45 Liberty Pro reactors
- Multi-KL LPPS systems

Isolation

- Lyophilization systems
- Tangential Flow Filtration (TFF)
- ANFD systems
- Controlled drying technologies

Purification

- RP-HPLC columns up to 1200 mm
- Continuous chromatography
- Ion exchange purification
- Large-scale DAC systems





Proven track record complex chemistry, solved and scaled

Complexity we take on

Macrocyclic peptides (bicyclic · tricyclic) · Labelled peptides · Unnatural amino acids · Multi-disulfide peptides · TAG-assisted synthesis (TAPS)

01 A multi-disulfide peptide with uncontrolled folding

Challenge: Multiple disulfides with uncontrolled multimer formation.

Smarter route: Robust SPPS with an engineered folding strategy.

Result: Consistent quality and reproducible performance across development batches.

02 A complex peptide with a challenging building block

Challenge: No commercial source; serious racemization risk.

Smarter route: Scalable asymmetric synthesis route with coupling and route control to suppress racemization at the critical junction.

Result: Kilograms delivered at >99.8% chiral purity, enabling downstream API synthesis.

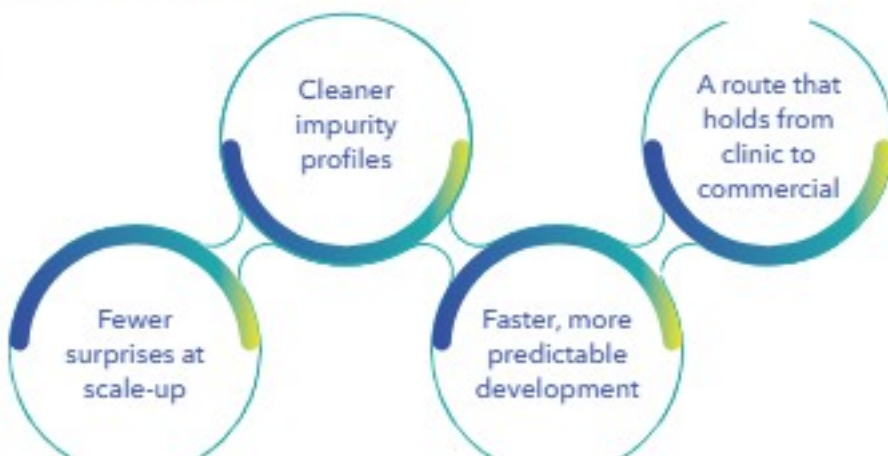
03 A purity target that no single step could achieve

Challenge: Target purity unachievable through any single purification.

Smarter route: Multi-step orthogonal purification, with impurities identified and structurally assigned.

Result: >97% API purity, meeting release specification.

What this means for you



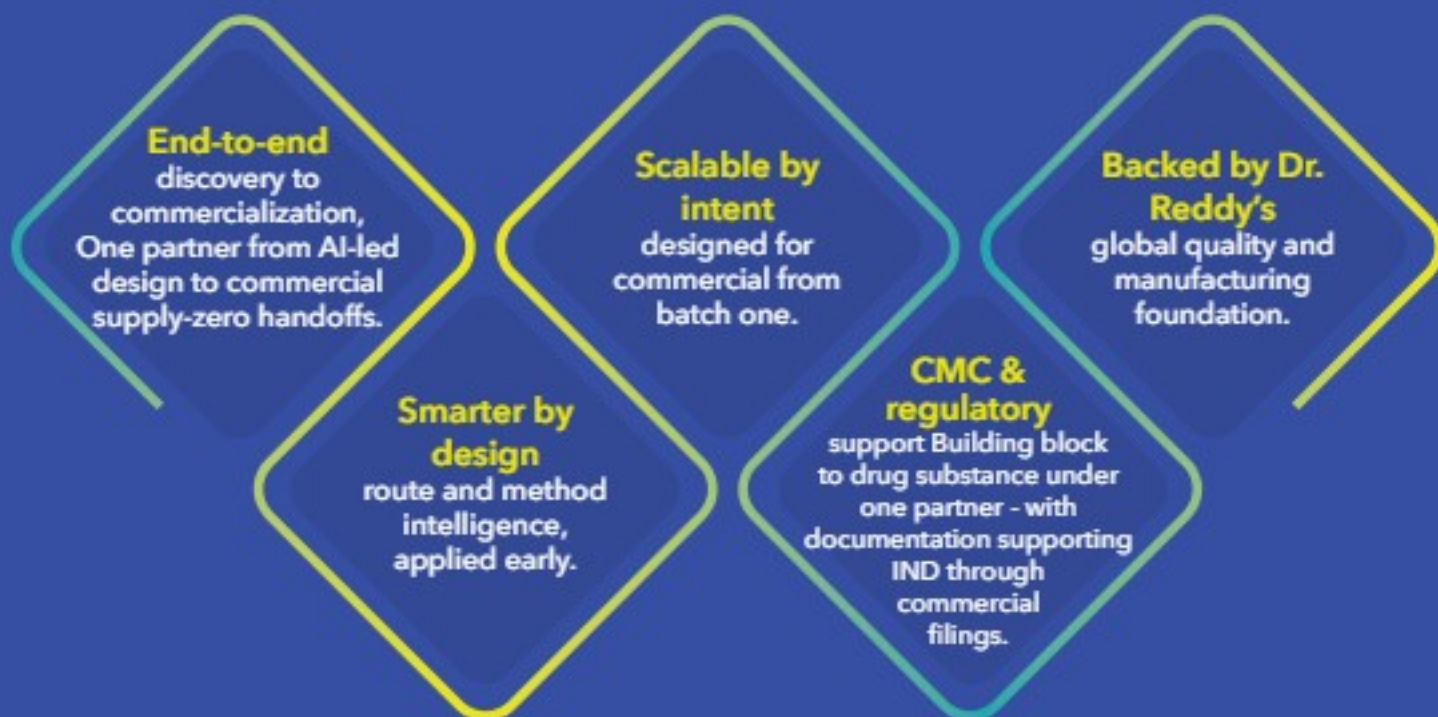


Bring us the complex one.

The molecule that's hard to couple, hard to purify, or hard to scale – that's the conversation we want.



Why teams choose Aurigene



Let's engineer the smarter route

Quality & Compliance Regulatory Excellence



Sustainability



AURIGENE

PHARMACEUTICAL SERVICES

For more information

Please write to ✉ contactapsl@aurigeneservices.com

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