

PeptAR_x

Aragen's Integrated Peptide Platform

Custom Peptide Synthesis | Cyclic Peptides | Peptide Conjugates | Scale-Up



Who We Are

With **10+ years of peptide chemistry expertise**, PeptARx supports innovators from concept to preclinical scale with **end-to-end peptide services**—delivered by **130 peptide chemists** in Hyderabad. Our platform combines **advanced synthetic chemistry**, **robust analytics**, and **scalable infrastructure** to accelerate peptide discovery and development.

What We Deliver

One platform. Every peptide need.

Custom Peptide Synthesis

Accelerate discovery with high quality custom peptides engineered for complexity, speed, and downstream development success.

- Linear, branched, **cyclic**, stapled and bi-cyclic peptides
- **Challenging sequences:** long peptides & protein fragments via NCL/KAHA
- PNAs, peptoids, peptidomimetics
- **Peptide conjugation** (fluorescent probe, lipid, PEG, protein, oligonucleotide, carbohydrate etc.)
- **Library & parallel synthesis** with rapid crude to pure workflows

Unnatural Amino Acids (UAs)

Expand chemical space with engineered building blocks tailored for potency, stability, and target selectivity.

- **500+** catalogued UAs across diverse chemical classes
- **100+** custom UAA syntheses/year
- **Backbone engineering:** N-alkylated, constrained, β -amino acids, glycosylated residues
- **Stereocontrol & functionalization:** α/β selectivity, rigid scaffolds, bioorthogonal handles
- **Scalable integration:** On resin insertion, solution incorporation, fragment coupling

Advanced Peptide Engineering

Unlock next-generation modalities with PeptARx through precision cyclization and structural constraint engineering for superior therapeutic performance.

Cyclization Technologies

Lactam bridges | Disulfide bonds | Click-based chemistry | Thioether formation | C-C stapling | Suzuki & Heck coupling

Using **orthogonal protecting groups** (Allyl, Alloc, Dde, Mtt, Pmb), we construct **multi-bridged, highly constrained cyclic peptides with exceptional structural precision**.

For more information, contact info@aragen.com
www.aragen.com

Stay Connected  

Peptide Conjugates

Enhance targeting, delivery, and imaging with PeptAR_x through multifunctional peptide conjugates designed for translational impact.

- Peptide-drug / toxin conjugates
- DOTA-metal scaffolds
- GalNAc / Lipid / PEG conjugates
- PPMO / POC / PDC
- Peptide-protein bioconjugates
- Fluorescent / tagged peptides (>1 g, >97% purity)

Scale Up & Non-GMP Supply

Advance peptide development from discovery to preclinical scale with PeptAR_x through reliable, high-purity batches engineered for seamless program progression.

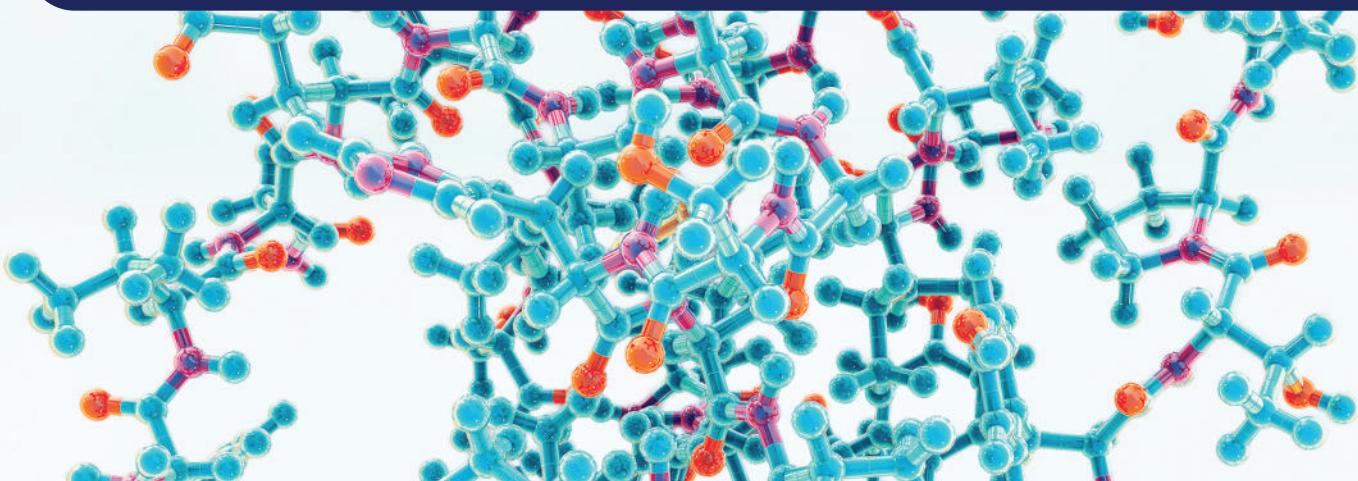
- **>500 g batches; purity >98%**, scalable toward **kilograms**
- **Hybrid SPPS / solution phase** strategies for difficult sequences
- Reliable transition from **discovery output to IND enabling** volumes

Why PeptAR_x

- **Complex Chemistry Expertise:** Long peptides, difficult sequences, multifunctional constructs
- **Advanced UAA Capability:** Broad catalog, rapid custom design, stereocontrolled synthesis
- **Cutting-edge Engineering:** Precision cyclization and conjugation for constrained architectures
- **High Throughput:** 1,500+ linear and 2,500+ cyclic peptides/year
- **Quality Workflows:** LCMS, HRMS, HPLC, ¹H NMR with final QC and 24/7 purification
- **End-to-End Platform:** Discovery to non-GMP scale-up under one roof

Ready to move your peptide program forward?

Talk to Aragen's peptide scientists and discover how we can accelerate your molecule from design to scaled delivery.



For more information, contact info@aragen.com
www.aragen.com

Stay Connected

 aragen