

Peptide Technology Platform



Chemistry Expertise

- Linear, branched, cyclic and stapled peptides
- 40-50 AA, mg to gm, singleton or peptide libraries
- Liquid, solid-liquid, hybrid, TAG-assisted, native chemical ligation
- C- & N-terminal, cyclization, backbone modifications and conjugation reactions
- Purification and characterization

Biology Expertise

- Peptide mapping/ fingerprinting
- Plasma protein binding using Rapid Equilibrium Dialysis or Ultrafiltration
- Stability in buffer, simulated gastric fluids, liver, kidney, intestinal S9, hepatocytes or plasma
- Half-life, metabolite identification and profiling
- Pharmacokinetics and Quantitative bioanalysis: rat, mouse, dog, rabbit
- Mass/QToF spectrometry analysis

Track Record of Success

- Library development: linear/cyclic peptides, 2-10 mg, up to 50 mers, >95% purity
- Successful synthesis of challenging peptide moieties
 - Hydrophobic peptides with disruptors (dmb, hmb protected amino acids / pseudoprolines, chaotropic agents)
 - Cyclic peptides (S-S bridging, cyclization, stapling, RCM)
 - Process optimization to multi-gm scale
 - Long chain peptides and foldings (>100 mers, NCL/KAHA)

World Class Infrastructure

- Silicycle mini block work station
- Automated synthesizer with online UV
- Up to 5 L reactors for scale up
- Lyophilization at scale



Analytical Capabilities

- Peptide characterization by UV, LCMS, HRMS and NMR
- Purification by RP Preparative HPLC (2000 to 40000 Da)
- Quality control of all custom peptides and peptide libraries



Let's begin the
conversation



E: bd@aragen.com

W: aragen.com

[in/company/aragen-life-sciences](https://www.linkedin.com/company/aragen-life-sciences)

[f/AragenLifeSciences](https://www.facebook.com/AragenLifeSciences)

India • USA • UK • Netherlands • Japan • Italy