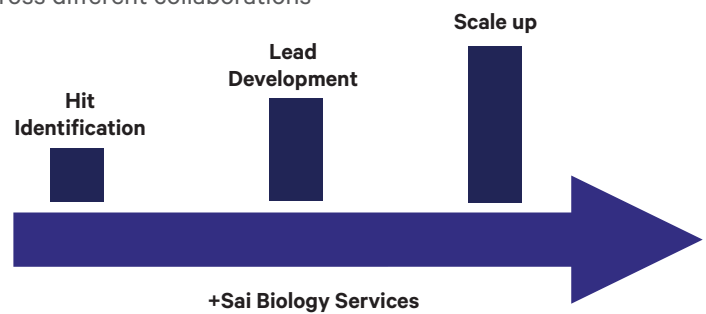
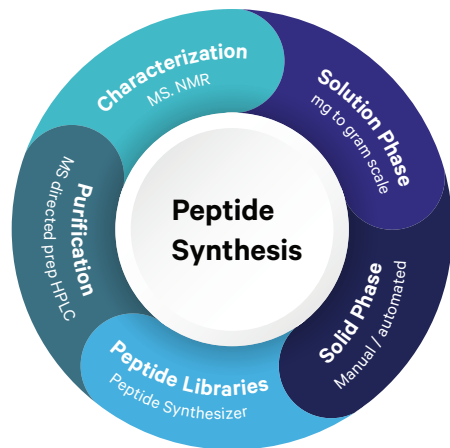


Rapid delivery of diverse peptides from mg to multigram scale

Sai Life Sciences has extensive experience across peptide synthesis, purification and characterization and leverages this experience to accelerate peptide drug discovery programmes across different collaborations



Peptide Synthesis - Sai Life Sciences

Sai Life Sciences offers a range of services in peptides from delivery of mg to multigram scale. Peptides are produced using solution and solid phase synthesis with use of automated &/or manual synthesizers.

Expertise

- Linear and cyclic peptides
- N-terminal/Side chain modifications, e.g.
 - Acylation, Biotinylation, Fluorescent & Dye
- C-terminal modifications
 - Alkylated carboxyamides, Alcohols, thioesters
- Conjugations: DOTA, Lipid's/mPEG's, payload/linkers
- Cyclic peptides: Disulfide, RCM, Lactam, Thioethers
- Peptide libraries synthesis
- Incorporation of unnatural amino acids: side chain modified, N-methylated, D-amino acids, in peptide sequences

Infrastructure

- Fully automated parallel synthesizer's
 - Syro-I/II, Multipep-2, Microwave CEM Liberty Blue
- Support for gram scale synthesis: manual peptide synthesizers (100 mL to 2 L reaction vessels)

Dedicated Purification - Characterization

State-of-the-art purification and analytical characterization platform

- Purification:
 - Up to 20 prep HPLCs (Gilson, Shimadzu, Knauer)
 - 4 MS directed prep-HPLCs (Waters)
 - RP-MPLCs (Biotage, Teledyne)
 - DAC columns
- Reverse Phase Analysis: Multiple HPLCs (Waters)
- Mass Characterization:
 - PDA/MS (Shimadzu)
 - UPLC/LC-MS (Waters)
 - Ion trap, ELSD (Agilent)
- MALDI-TOF (Thermo Fischer)
- NMR: Varian (400 & 500 MHz), Bruker (400 MHz)
- Freeze/tray Dryers (Vertis, Labconco, Martin Christ)
- CD, UV-Vis spectrometers