Peptide Synthesis

Capabilities and Experience in Peptide Chemistry



Unlocking the Potential of Peptide Sythesis

At o2h discovery, we are dedicated to advancing scientific research and drug discovery through exceptional peptide synthesis services. Our team specializes in producing a wide range of peptides, from milligram to gram scale, ensuring high-quality, customized solutions for your research needs.

Our Peptide Platform

state-of-the-art facility for peptide purification and characterization.	Rapid peptide library generation for screening	Master in solid and solution phase synthesis for complex peptides
Capable to generate up to 50-mer linear and cysteine-rich disulfide-bridged peptides	Experience in high-quality peptide delivery	Syro I synthesiser for simultaneous solid-phase synthesis of up to 24 peptides

Peptide Modification

We offer a large variety of peptide modification including but not limited to the following

all the same of		
(4)	Branched	Peptides

PEGylated Peptides

Acetylated Peptides

Citrullinated Peptides

Succinylated Peptide

Phosphorylated Peptides

Cyclic Peptides

Amidated Peptides

Stapled Peptides

Biotinylated Peptides

Additional Services

Assay Development (SPR, FP, ChamelogK)

Chromatography (HPLC, TLC, GC, IC)

Chromatography with LC-MS/ESI

Spectroscopy (UV-VIs, IR, NMR)

Assay Development (SPR, FP, ChamelogK) Titration (Acid-Base & Karl Fisher)

pH Adjustment and Amino Acid Analysis

Metallic Analysis (AAS, ICP, ICP-MS)

Counter Ion Exchnage (TFA removal

Solubility Testing

Equipment

With a full range and optimal equipment ratio, and a dedicated analytical team working 24/6, we manage and achieve high 'speed' delivery

napite .	President	Descriptor, Technologies	Territor.	Purification	4079
		-	977	Mil Proposition	- 4
96.960		Annual Control	Per	Service	-
-		(A. Sonner)	14	The section is a second contract to	- 6
(feet)	- 4	a prince	-97	200 mg	
-	-		11	reserved details	
PRO 1884 PM		National Control	1.00	The Property Co.	181
	-	24.741	0.14		
_	2.0	Name and Address	59		
Age Charter Charter					

Automated Peptide Synthesizer System

O2h discovery has added a fully automated parallel Peptide Synthesizer Syro I, with a one-arm pipetting robot to expand our chemistry synthesis capabilities. This system allows for multiple reactions to occur simultaneously, ensuring rapid delivery of peptide synthesis

- · One Robotic Arm
- Max no of peptides 96
- Inert gas blanket option
- Separate cleavage workstation
- Reactor vial size 2.5 10 and 20 mL
- · In-situ and pre-activation both
- Vortex mixing (speed control knob)
- Amino Acid vessel standard 40 X 50 mL
- Reagent bottles 5 (2 x 500 mL: 3 x 200 ML)
- 2 digital Syringe pumps for liquid handling
- Conventional heating option (max 96 degC)
- Scale range 0.001 to 0.6 mmol (1 to 600 umol)

Chemistry Case Studies: o2h discovery

Example synthesis of reference peptide compound prepared

