

Exploring Oligos and Peptides for Pharma Manufacturing

Features and Benefits of AJIPHASE Technologies

Ajinomoto Bio-Pharma Services is a leading contract development and manufacturing organization (CDMO) that specializes in the production of oligonucleotides and peptides for the pharmaceutical industry. These molecules are essential building blocks for a wide range of therapeutic applications, including gene therapies, antisense drugs, and peptide-based pharmaceuticals.

The key benefits of using Ajinomoto Bio-Pharma Services' AJIPHASE products and manufacturing technologies are:

High Purity and Quality

The AJIPHASE process achieves high purity and quality profiles comparable to traditional solid-phase synthesis.

Cost-Effective

The AJIPHASE process consumes less solvent and reagents compared to traditional solid-phase synthesis, making it a more eco-friendly and cost-effective method.

Homogeneous Reaction

The use of an anchor molecule ensures a homogeneous reaction mixture, improving the efficiency and reproducibility of the synthesis.

GMP Expertise

Ajinomoto Bio-Pharma Services has extensive experience in GMP manufacturing, ensuring the highest quality standards for commercial drug substance production.

One-Stop Service

Ajinomoto Bio-Pharma Services offers a complete service from lab to commercial scale, providing a seamless experience for customers.

Scalable and Efficient

The hybrid liquid-phase synthesis allows for seamless scale-up from lab to commercial production without the need for specialized equipment.

Versatile

AJIPHASE can be used to manufacture a variety of middle molecules, including oligonucleotides, peptides, and phosphorodiamidate morpholino oligomers (PMOs).

Simplified Purification

The anchor is easily filtered out along with excess reagents and byproducts, simplifying the purification process.

Global Capabilities

The company has manufacturing facilities in both Japan and Belgium, allowing for global supply and distribution of AJIPHASE products.

Innovative Technology

The AJIPHASE process represents a significant advancement in the synthesis of middle molecules, offering a more efficient and environmentally-friendly alternative to traditional methods.