



Precision Chemistry for Nucleic Acid Medicine and Diagnostic applications

From Discovery to Large scale Supply: Modified Nucleosides | Phosphoramidites
| NTPs & CAP reagents | GalNAc and DDS | Fluorescent dyes



Enabling next-generation nucleic acid innovations with integrated expertise in building blocks, process and analytical development, and non-GMP and GMP scale up manufacturing.



Nucleic Acid Chemistry Capabilities



Nucleosides

Diversified Base & Sugar modified and specialty nucleosides.



Phosphoramidites

DNA, RNA, modified and stereoenriched building blocks.



Oligonucleotides

ASO, siRNA, miRNA, and Aptamers.



Nucleoside Triphosphates (NTPs) and CAP reagents

Standard and modified dNTPs, CAP reagents, Blockmers for therapeutic and diagnostic applications.



Fluorescent dyes

Diversified dyes for diagnostic and Research applications.



Drug Delivery Systems (DDS)

GalNAc conjugates, lipids, PEG linkers and spacers.



Analytical & Regulatory Support

Method development, characterization and regulatory documentation.

Manufacturing & Scale-Up Platform

Discovery → Kilo Lab → Pilot → Pre-clinical → Commercial (GMP and non-GMP)

Sapala Mallapur, Hyderabad R&D, kilo-lab and pilot-scale development.

Cohance Manufacturing Network. Hyderabad Multi-site scale-up and commercial supply infrastructure.

Manufacturing Highlights

- Non-GMP & cGMP Supply
- Dedicated 600-700 kg/year Amidite GMP & non-GMP Manufacturing Facilities
- USFDA-Audited Manufacturing Infrastructure
- No Scale Limitations from Development to Commercialization



Comprehensive Nucleic Acid Chemistry Portfolio



Building Blocks

- Base Modified Nucleosides
- Sugar Modified Nucleosides
- Natural DNA & RNA Amidites
- L-DNA and RNA Amidites
- Morpholino Building Blocks
- Constrained Nucleic acids such as LNA, cEt BNA
- Fluorescent Dye Amidites
- Reverse Amidites



What Sets Us Apart

- Fully Back-integrated Development
- Custom Product Development Expertise
- Discovery-to-Commercial Supply Capability
- Flexible Engagement Models
 - FTE, Fee-for-Service & Dedicated Programs



Therapeutic Modalities

- Antisense Oligonucleotides (ASO)
- siRNA
- miRNA
- Aptamers
- Oligonucleotide conjugate components
- mRNA & Gene Therapy Components such as NTP's CAP reagents, Dimers, Trimers



Capability Snapshot

- 20 Process Development Labs
- From 1 μ mol to 12 mmol Oligonucleotide Synthesis Capacity
- Dedicated 600-700 kg/year Amidite GMP & non-GMP Manufacturing Facilities





Advancing the Future of Nucleic Acid Therapeutics

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