

Charting out new pathways of Drug Development. Fast.

With a growing number of oligonucleotide therapeutics set to enter the market in the coming days, the timely development and manufacturing of high-quality phosphoramidites will be crucial for pharma and biotech companies. At Sai Life Sciences, we are ready to meet the unique needs of our customers. We offer end-to-end services, from R&D to the manufacturing of phosphoramidites.

Highlights

- Chemical modification of ribose sugar moiety & nucleobase
- DNA end capping spacer amidites
- 2'-Deoxy Phosphoramidites
- 2'-O-Methyl Phosphoramidites
- 2'-Fluoro Phosphoramidites
- 2'-O-Methoxymethyl Phosphoramidites
- Bridged Nucleosides & Phosphoramidites
- Morpholino Phosphorodiamidates
- Custom synthesis, development, and manufacturing
- Proprietary nucleoside product exclusive for our partner

Capability

End-to-end capabilities: R&D – Tech Transfer – Pilot Scale – Commercial Production

Infrastructure

- Dedicated Phosphoramidite lab with Radleys Mya4 reaction station and double jacketed reactors at the R&T facility
- Exclusive Phosphoramidite manufacturing facility with
 - Single fluid utilities for better temperature control
 - Raw material / KSM charging by closed method through Powder Transfer System / Drum Containment System
 - Closed unloading from ANFDs / Nauta dryer through continuous liner bags to avoid the external exposure
 - Closed-loop sampling system to take the samples from ANFDs / Nauta for in-process / final test
 - Nauta Dryer/ANFD for exclusive drying of phosphoramidites

Talent pool

Dedicated 35-member team comprising analytical scientists and process engineers.

