



- **Extensive Capabilities in Bulk Production of Natural & Modified RNA phosphoramidites**
- **Large Scale Therapeutic Grade RNA, Chimeras, Synthesis & Long RNA sequences, Aptamers Etc.**
- **Perfected Technology at ChemGenes Bulk quantity (100 g to kilo gram scale batches)**

Produced Under GMP Guidelines

Rigorous Quality Control Guidelines & Extensive Expertise allows us to Produce the Nucleosides and Amidites of Highest Achievable Purity

Natural & Key Modified RNA Phosphoramidites

2'- tBDSilyl Phosphoramidites

- Standard Base Protecting groups
- Mild Base protecting groups
- Ultra Mild Base protecting groups

5- Methyl-Uridine-2'- tBDSilyl Phosphoramidites

5- Methyl-Cytidine-2'- tBDSilyl Phosphoramidites

Inosine-2'- tBDSilyl Phosphoramidites

Key 2'- OMethyl ribonucleoside Phosphoramidites

Bases include A, C, G, U, 5-methyl-Uridine, 5- methylcytidine & Inosine

- Standard Base Protecting groups
- Mild Base protecting groups
- Ultra Mild Base protecting groups

2'- Fluoro-2'- deoxy nucleoside Phosphoramidites

Milder deprotecting group – n-acetyl-G-2'- Fluoro G & acetyl C-2'- Fluoro Cytidine are available to effect Mild cleavage of Chimera containing 2'- Fluoro oligonucleotides

*** Typical purity greater than 99% by ³¹P NMR & HPLC. Purity greater than 98% and Correct Mass by ESI/MS.

*** Coupling Efficiency consistently greater than 98% per step & guaranteed to produce High Quality Oligonucleotides.

*** Expert Technical Support available.

Other Key Modified deoxy and ribo nucleosides

- L-deoxy nucleoside phosphoramidites (L-dA; L-dC; L-dG; LdT);
- L- ribo nucleoside phosphoramidites (L-rA; L-rC; L-rG & L-rU)
- 7- Deaza-deoxy A and G phosphoramidite
- 7- Deaza-ribo A and G phosphoramidites

Linker and Ligand Phosphoramidites

- Cholesterol TEG phosphoramidite
- Hexaethoxy glycol phosphoramidite
- Polyethoxyglycol phosphoramidites (PEG 2000 & PEG 4500)
- C-6 Disulphide Modifier Phosphoramidite
- C-6 Amino linker Phosphoramidite
- C-6; C-9 & C-12 Diol Phosphoramidites

