



## Extensive Capabilities in Bulk Production of Natural & Modified RNA phosphoramidites

- **Suitable for large scale therapeutic grade RNA 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

#### Reverse & Abasic Phosphoramidites & Supports

#### 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

#### PEG Phosphoramidites

- PEG – 2000
- PEG- 4500

#### 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 31 P 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.

### Recent Additions

#### 8-methyl- deoxy Guanosine and ribo Guanosine phosphoramidites

#### 5-Formyl Uridine

#### Ara A,C,G,U phosphoramidites

### 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
- Hexaethyloxy glycol phosphoramidite
- Polyethyloxyglycol phosphoramidites (PEG 2000 & PEG 4500)
- C-6 Disulphide Modifier Phosphoramidite
- C-6 Amino linker Phosphoramidite
- C-6; C-9 & C-12 Diol Phosphoramidites
- Carboxyl Linker
- Symmetrical & Asymmetrical Branching
- Phosphate-ON
- Psoralens Phosphoramidites
- 6-FAM Fluorescein
- Biotin BB Phosphoramidite
- Amino-dT Phosphoramidite

