

Thermo Scientific Modified Nucleoside Phosphoramidites



For high quality oligonucleotide synthesis from bench to commercial scale

Thermo Fisher Scientific offers nonstandard nucleoside phosphoramidites for synthesis of modified oligonucleotides.

Oligonucleotides having modifications are used as primers, probes or in structural studies.

- **Duplex stability**

Stability and melting point of oligonucleotide duplexes can be altered by incorporation of N⁴-Ethyl dC, 5-Methyl dC, dI or dU into the oligonucleotide sequence

- **Mutagenesis studies**

Mutagenic effects from methylation of exocyclic amine can be studied by incorporation of N⁶-Methyl dA into the oligonucleotide sequence

- **Custom Services**

Specialty phosphoramidites can be custom made with other base modifications or with modifications to the 2', 3' or 5' positions of the sugar

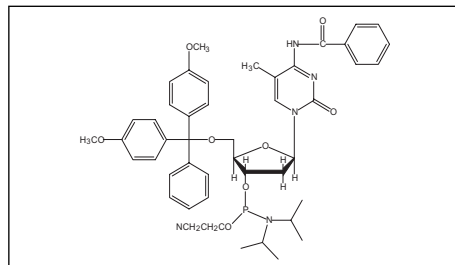
- **Consistent Quality**

Manufactured at ISO9001 registered facility

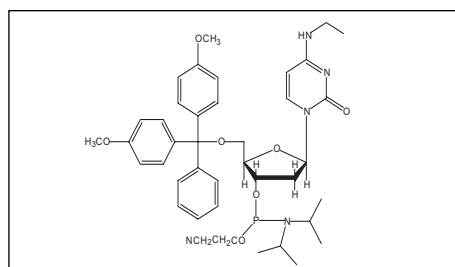
Thoroughly documented processes provide consistent product quality with minimal batch to batch variability

- **Over 20 Years Experience**

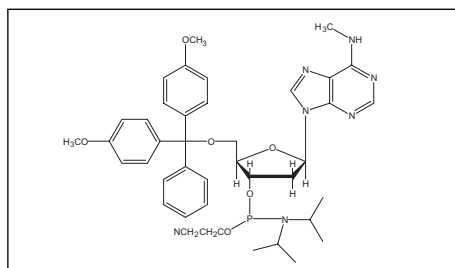
Manufacturing high quality phosphoramidites and oligonucleotide synthesis reagents for 20+ years



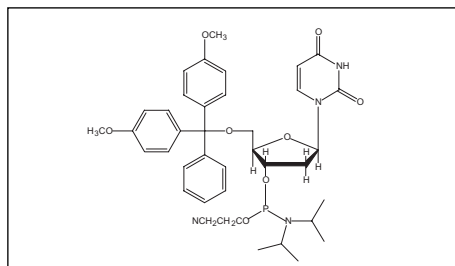
5-Methyl dC Phosphoramidite
Formula Weight: 848.0



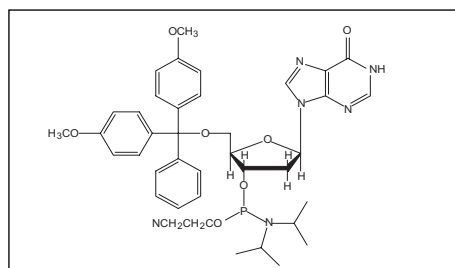
N⁴-Ethyl dC Phosphoramidite
Formula Weight: 757.9



N⁶-Methyl dA Phosphoramidite
Formula Weight: 767.9



dU Phosphoramidite
Formula Weight: 730.8



dI Phosphoramidite
Formula Weight: 754.8

Product Specifications

5-Methyl dC Phosphoramidite	HPLC Purity	≥ 98%
	NMR Purity	≥ 98%
N ⁴ -Ethyl dC Phosphoramidite	HPLC Purity	≥ 98%
	NMR Purity	≥ 98%
N ⁶ -Methyl dA Phosphoramidite	HPLC Purity	≥ 98%
	NMR Purity	≥ 98%
dU Phosphoramidite	HPLC Purity	≥ 98%
	NMR Purity	≥ 95%
dI Phosphoramidite	HPLC Purity	≥ 98.0%
	NMR Purity	≥ 95%

Ordering Information

Product Name	Product #
5-Methyl dC Phosphoramidite	27-1748
N ⁴ -Ethyl dC Phosphoramidite	27-1743
N ⁶ -Methyl dA Phosphoramidite	27-1746
dU Phosphoramidite	27-1738
dI Phosphoramidite	27-1744

Packaged to fit most commercially available synthesizers.
Custom packaging is available.

Related Products

Thermo Scientific TheraPure® DNA Phosphoramidites

Thermo Scientific DNA Phosphoramidites

Thermo Scientific TheraPure® RNA Phosphoramidites

Thermo Scientific RNA Phosphoramidites

For more information visit the web site at
www.thermo.com/milwaukee

Thermo Fisher Scientific (Milwaukee) LLC

We develop integrative partnerships with customers across the globe to provide premium molecular biology reagents and innovative services. These products are used in a variety of applications to advance the development of biotechnology research, diagnostic and therapeutic applications.

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