

# Thermo Scientific Fast Deprotect Phosphoramidites



For high quality oligonucleotide synthesis from bench to commercial scale

Thermo Fisher Scientific offers Fast Deprotect Phosphoramidites for oligonucleotide synthesis requiring removal of base protecting groups under mild or accelerated conditions.

## • Mild Deprotection Conditions

Complete base deprotection can be achieved with incubation of the oligonucleotide at room temperature for 16 hours. Mild deprotection conditions are recommended for oligonucleotides containing dyes, labels, or other sensitive modifications unstable to exposure to strong alkaline conditions.

## • Accelerated Deprotection Conditions

Deprotection can be achieved with incubation of the oligonucleotide for 30-60 minutes at 60°C in concentrated ammonia. This condition minimizes the oligonucleotide's exposure to ammonia and provides quicker turnaround from synthesis to crude oligonucleotide in high throughput systems.

## • Customer Service

A dedicated customer service representative is assigned to each account to provide direct personalized service.

## • Consistent Quality

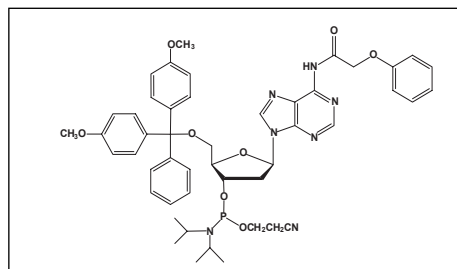
Manufactured in an ISO9001 registered facility

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

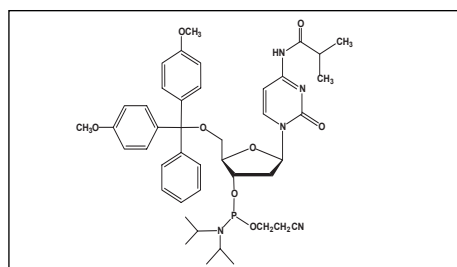
## • Over 20 Years Experience

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

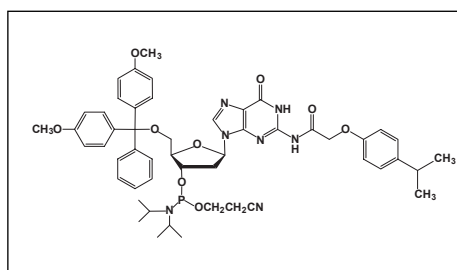
Thermo Fisher Scientific (Milwaukee) LLC is a licensed supplier of PAC protected phosphoramidites.



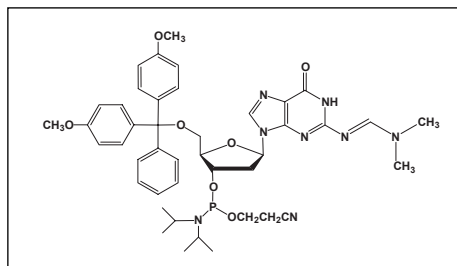
PAC dA Phosphoramidite  
27-1723  
Formula Weight: 888.0



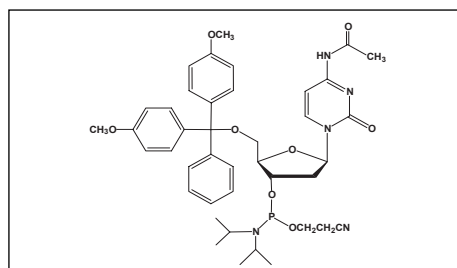
iBu dC Phosphoramidite  
17-1725  
Formula Weight: 799.9



iPrPAC dG Phosphoramidite  
27-1726  
Formula Weight: 946.1



DMF dG Phosphoramidite  
27-1737  
Formula Weight: 824.9



Acetyl dC Phosphoramidite  
29-1727  
Formula Weight: 771.8

## Product Specifications

	HPLC Purity	<sup>31</sup> P NMR Purity
PAC dA Phosphoramidite	≥ 98.0%	≥ 98.0%
iBu dC Phosphoramidite		
iPrPAC dG Phosphoramidite		
Acetyl dC Phosphoramidite		
DMF dG Phosphoramidite	≥ 98%	≥ 98.0%

## Ordering Information

Product Name	Product #
PAC dA Phosphoramidite	27-1723
iBu dC Phosphoramidite	27-1725
iPrPAC dG Phosphoramidite	27-1726
Acetyl dC Phosphoramidite	29-1727
DMF dG Phosphoramidite	27-1737

## Related Products

Thermo Scientific TheraPure® DNA Phosphoramidites  
Thermo Scientific TheraPure® RNA Phosphoramidites  
Thermo Scientific RNA Phosphoramidites  
Thermo Scientific DyLight™ Phosphoramidites  
Thermo Scientific Amino Linkers

For more information visit the web site at  
[www.thermo.com/milwaukee](http://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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