

Certification



PRODUCT NAME: 2'-OMe Acetyl C β -Cyanoethyl Phosphoramidite
PRODUCT NUMBER: 27-1823-02
LOT NUMBER: TB2012
BULK NUMBER: SC0075
DESCRIPTION: 5'-O-Dimethoxytrityl-N⁴-acetyl-2'-O-methyl-
cytidine-3'-O-(β -cyanoethyl-N,N-diisopropyl) phosphoramidite
CHEMICAL FORMULA: C₄₂H₅₂N₅O₉P
FORMULA WEIGHT: 801.86 g/mol
CAS NUMBER: 199593-09-4
STORE: -20°C
SHIP: Ambient

ANALYSIS		
Value	Specification	Observed Value
Purity by HPLC	≥ 98.0%	99.1 %
Purity by ³¹ P NMR	≥ 98.0%	98.6 %
Water Content	≤ 0.2%	0.0%
Appearance	Color intensity must not exceed Pantone #P1-4U or #P4-2U	Pass

NMR Impurity Profile

Sum of non-primary peaks in 140-152 ppm range	≤ 0.5 mole%	0.0%
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TSE/BSE INFORMATION

No known animal-derived materials were used in the manufacture of this product.

Use of this product for the synthesis of polynucleotides may require a license from a third party. It is the responsibility of the purchaser of this product to determine the necessity of obtaining such a license and acquiring the same. Other than as indicated above, no license is granted to the purchaser either directly, by implication, estoppel or otherwise.

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