

Certification



PRODUCT NAME: Ac rC Phosphoramidite
PRODUCT NUMBER: 27-1405-65
LOT NUMBER: SL0082
BULK NUMBER: SI0039
DESCRIPTION: 5'-O-Dimethoxytrityl-N⁴-acetyl-2'-O-TBDMSi-cytidine-3'-O-(β -cyanoethyl-N,N-diisopropyl) phosphoramidite
CHEMICAL FORMULA: C₄₇H₆₄N₅O₉PSi
FORMULA WEIGHT: 902.1 g/mol
CAS NUMBER: 121058-88-6
STORE: -20°C
SHIP: Ambient
BULK RETEST DATE: 03/2021

ANALYSIS

Value	Specification	Observed Value
Purity by HPLC	≥ 98.0%	99.6%
Purity by ³¹ P NMR	≥ 98.0%	100.0%
Water Content	≤ 0.3%	0.2%
Appearance	Color intensity must not exceed Pantone #P1-4U or #P4-2U	Pass
Solution Clarity	0.2 M solution in acetonitrile is free from undissolved particulate	Pass

NMR Impurity Profile

Range	Specification	Observed Value
Sum of non-primary peaks in 140-152 ppm range	≤ 0.5 mole%	0.0%

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. No license is granted to the purchaser either directly, by implication, estoppel or otherwise.

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