

Certification



PRODUCT NAME: TheraPure® Bz rA Phosphoramidite
PRODUCT NUMBER: 27-1903-06
LOT NUMBER: RH1162
BULK NUMBER: RH0019
DESCRIPTION: 5'-O-Dimethoxytrityl-N⁶-benzoyl-2'-O-TBDMSi-adenosine-3'-O-(β-cyanoethyl-N,N-diisopropyl) phosphoramidite
CHEMICAL FORMULA: C₅₃H₆₆N₇O₈PSi
FORMULA WEIGHT: 988.2 g/mol
CAS NUMBER: 104992-55-4
STORE: -20°C
SHIP: Ambient

<u>Value</u>	<u>ANALYSIS</u> <u>Specification</u>	<u>Observed Value</u>
Purity by HPLC	≥ 99%	100%
Purity by ³¹ P NMR	≥ 99%	100%
Water Content	≤ 0.3%	0.1%
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

Sum of non-primary peaks in 140-152 ppm range	≤ 0.5 mole%	0.0%
Single Impurity in 140-152 range	None > 0.3%	None >0.3%

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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