

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	02543
<b>Lot Number</b>	000216-22059
<b>Product</b>	<b>5'-O-(4,4'-Dimethoxytrityl)-N<sup>2</sup>-isobutyryl-guanosine</b> 5'-DMT-NiBu-G
<b>Molecular Formula</b>	C <sub>35</sub> H <sub>37</sub> N <sub>5</sub> O <sub>8</sub>
<b>Molecular Weight</b>	655.72

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<b>Appearance</b>	White to off-white powder
<b>Analysis by Mass Spectra</b>	Negative ion at 654.3 (M)
<b>UV Ratios</b>	A <sub>250</sub> /A <sub>260</sub> nm = 1.060 A <sub>260</sub> /A <sub>280</sub> nm = 1.259
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.8%
<b>Storage</b>	Store at ≤ -4 °C
<b>Additional Information</b>	e <sub>max</sub> ( at 250 nm): 20889
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager