

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	03570
<b>Lot Number</b>	000216-300-24
<b>Product</b>	<b>5'-O-(4,4'-dimethoxytrityl)-2'-deoxyguanosine</b>  5'-DMT-2'-dG
<b>CAS Number</b>	81144-43-6
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>31</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight</b>	569.59

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<b>Appearance</b>	Off-white solid
<b>Analysis by Mass Spectra</b>	-ve Ion mode; M = 568.4
<b>UV Ratios</b>	E <sub>max</sub> in Methanol at 250 nm = 20919 A <sub>250/260</sub> = 1.250 A <sub>260/280</sub> = 1.568
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.8%
<b>Purity by UV</b>	Conforms to standard
<b>Storage</b>	Store at ≤ -4 °C
<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**