

# Chem-Impex International, Inc.

---

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

---

## Certificate of Analysis

<b>Catalogue Number</b>	00921
<b>Product</b>	<b>5'-O-(4,4'-dimethoxytrityl)-thymidine-3'-O-</b>
<b>Lot Number</b>	000216-459142
	5'-O-DMT-thymidine-3'-O-succinate triethylammonium salt
<b>CAS Number</b>	74405-40-6 (net)
<b>Molecular Formula</b>	C <sub>41</sub> H <sub>51</sub> N <sub>3</sub> O <sub>10</sub>
<b>Molecular Weight</b>	745.86

---

<b>Appearance</b>	White to off-white free flowing powder
<b>Water Content (Karl Fisher)</b>	0.28%
<b>UV Ratios</b>	250/260nm : 1.041 260/280nm : 1.332 emax at 267 nm : 11082
<b>Residual Solvents</b>	0.6%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.7%
<b>ESI-MS</b>	Negative Ion Mode : 643.4 (M)
<b>Storage</b>	Store at 0 - 8 °C
<b>Additional Information</b>	TEA% : 7.8% Succinate content : 91.1%
<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