

# Chem-Impex International, Inc.

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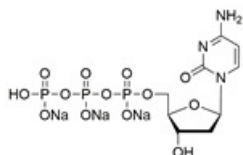
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	37446
<b>Product</b>	<b>2'-Deoxycytidine-5'-triphosphate, 100mM sodium salt solution</b>
<b>CAS Number</b>	dCTP, 100mM sodium salt solution 109909-44-6 , 102783-51-7
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> Na <sub>3</sub> O <sub>13</sub> P <sub>3</sub>
<b>Molecular Weight</b>	533.1
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<b>Appearance</b>	Clear colorless solution
<b>Concentration</b>	100 mM ± 3%
<b>pH</b>	7.0 ± 0.1
<b>UV Ratios</b>	$\lambda_{\max} = 272 \pm 2$ nm Absorbance ratio : $A_{250/260} = 0.79 - 0.85$ (pH 7.0) $A_{280/260} = 0.93 - 1.03$ (pH 7.0)
<b>Purity by HPLC</b>	≥ 99%
<b>Grade</b>	Molecular Biology Grade
<b>Storage</b>	Store at ≤ -20°C. Shipped in dry ice.

**For Laboratory Use Only**