

# Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

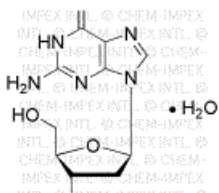
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



## Product Specifications

<b>Catalogue Number</b>	00102
<b>Product</b>	<b>2'-Deoxyguanosine monohydrate</b>
	dG · H <sub>2</sub> O Guanine-2'-deoxyriboside monohydrate
<b>CAS Number</b>	312693-72-4
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>4</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	285.2
<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Clear to very slightly hazy colorless solution at 5% in 1N Ammonium hydroxide or 2% in 1M NaOH
<b>Water Content (Karl Fisher)</b>	≤ 7%
<b>UV Ratios</b>	Absorbance (pH 7) : (A <sub>250</sub> /A <sub>260</sub> ) : 1.12- 1.1 A <sub>280</sub> /A <sub>260</sub> ) : 0.65 - 0.69
<b>Related Substances</b>	Gaunine : ≤ 0.5% Alpha anomer content : Not detected
<b>Assay</b>	≥ 99%
<b>Purity by UV</b>	≥ 98% (On dry basis)
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**