

Chem-Impex International, Inc.

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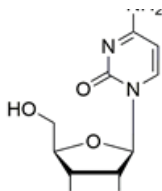
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	38848
Product	Cytidine 1-β-D-ribofuranosyl-cytidine Cytosine-1-β-D-ribofuranoside
CAS Number	65-46-3
Molecular Formula	C ₉ H ₁₃ N ₃ O ₅
Molecular Weight	243.22
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Appearance	White or almost white crystalline powder
Melting Point	210 - 220 °C
Heavy Metals	≤ 10 ppm
Optical Rotation	[α] _D ²⁰ = 31 - 35 ° (C = 0.7 g in 100 mL water)
UV Ratios	A _{250/260} : 0.4 - 0.5 A _{280/260} : 2.05 - 2.15
Loss on Drying	≤ 0.5% (105 °C, 2h)
Residue On Ignition	≤ 0.1% (at 600 °C)
Purity by HPLC	≥ 99%
Purity by UV	98.0 - 101.5%
Grade	Suitable for cell culture
Storage	Store at 0 - 10 °C

For Laboratory Use Only