

Chem-Impex International, Inc.

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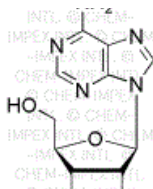
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 00007

Product **Adenosine**
Adenine-9-β-D-ribofuranoside
Adenine riboside

CAS Number 58-61-7

Molecular Formula C₁₀H₁₃N₅O₄

Molecular Weight 267.24

Appearance White or almost white crystalline powder

Melting Point 233 - 238 °C

Heavy Metals ≤ 10 ppm

Optical Rotation [α]²⁰_D = -68 to -72 °

Loss on Drying ≤ 0.5%

Related Substances
Total impurities : ≤ 0.5%
Guanosine : ≤ 0.1%
Inosine : ≤ 0.1%
Uridine : ≤ 0.1%
Adenine : ≤ 0.2%

Residue On Ignition ≤ 0.1%

Assay 98 - 102% (On dried basis)

Grade Meets USP Specification

Storage Store at 0 - 8 °C

Additional Information Identification :
Test for A : Infrared spectroscopy : Conforms to structure
Test for B : To pass test

For Laboratory Use Only