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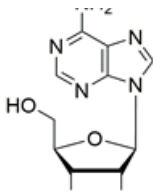
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 29823

Product

Adenosine free base. Bacterial Endotoxins ≤

Adenine-9-β-D-ribofuranoside, low endotoxins

Adenine riboside, low endotoxins

CAS Number 58-61-7

Molecular Formula C₁₀H₁₃N₅O₄

Molecular Weight 267.24

Appearance White crystalline powder

Solubility Colorless solution (C=3.3% w/v in Water)

Melting Point 233 - 238 °C

Heavy Metals ≤ 10 ppm (as Pb)

Anion Chlorides (Cl⁻) : ≤ 70 ppm
Sulphates (SO₄²⁻) : ≤ 200 ppm

Cation Ammonia : ≤ 4 ppm

Yeast and Mold Total yeast/mold count : ≤ 100 CFU/g (TYMC)

Optical Rotation [α]_D²⁵ = -68 to -72 ° (C = 2% in 5% NaOH)

Infrared Spectrum Conforms to structure

Loss on Drying ≤ 0.5%

Bacterial Endotoxins ≤ 50 EU/100 g

Microbial Count ≤ 100 CFU/g (TAMC)

Related Substances Guanosine: ≤ 0.1%
Inosine: ≤ 0.1%
Uridine: ≤ 0.1%
Adenine: ≤ 0.2%

Residue On Ignition ≤ 0.1%

Purity by HPLC ≥ 99.5%

Grade Cell culture grade

Storage Store at 0 - 8 °C

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For Laboratory Use Only