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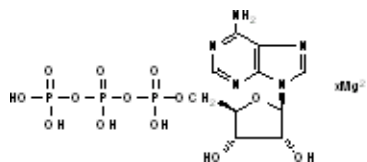
Email USA: techserv@sial.com

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Product Specification

Product Name:
Adenosine 5'-triphosphate magnesium salt - ≥95%, bacterial

Product Number: A9187
CAS Number: 74804-12-9
MDL: MFCD00084767
Formula: C₁₀H₁₆N₅O₁₃P₃.xMg²⁺
Formula Weight: 507.18 g/mol
Storage Temperature: -20 °C



TEST

Specification

Appearance (Color)	White to Off-White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/mL, H ₂ O	
mole water/mole compound	≤ 5
Water content by NMR	
Proton NMR spectrum	Conforms to Structure
Solvent Content	≤ 3 %
Phosphorus (Dry Basis)	15.6 - 18.8 %
and Magnesium Content, by ICP	
% Magnesium	2.5 - 13.5
Dry basis, by ICP	
EMM (dry basis)	14.3 - 16.2
and Magnesium content	
Lambda max 259-260 at pH 7.0	
Wavelength	259 - 260 nm
Purity (HPLC)	≥ 95 %
Note	-----
Formula and formula weight are for the free acid.	

Specification: PRD.0.ZQ5.10000015874

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.