

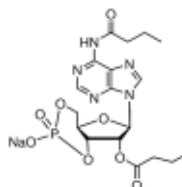
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Product Specification

Product Name: N⁶,2'-O-Dibutyryl adenosine 3',5'-cyclic monophosphate sodium salt - ≥96% (HPLC), powder

Product Number: D0627
CAS Number: 16980-89-5
MDL: MFCD00005843
Formula: C₁₈H₂₃N₅NaO₈P
Formula Weight: 491.37 g/mol
Storage Temperature: -20 °C



TEST	Specification
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Appearance (Color)	White to Off White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Very Light Yellow to Very Light Brown
Solubility (Turbidity)	Clear to Slightly Hazy
100 mg/mL, H ₂ O	
Water	≤ 7 %
(2 mol/mol)	
Phosphorus (P) anhydrous	5.9 - 6.7 %
Sodium (Na) anhydrous	4.2 - 5.1 %
EmM Anhydrous	16.9 - 18.3
Lambda max 272-273 nm at pH 7.0	
Purity (HPLC)	≥ 96 %
Impurity	≤ 0.5 %
cyclic-AMP	
Impurity	≤ 3 %
N6-monobutyrylcyclic-AMP	
Impurity	≤ 3 %
2'-O-monobutyrylcyclic-AMP	
Recommended Retest Period	-----
2 years	

Specification: PRD.3.ZQ5.10000008715

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.

