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Product Specification

Product Name:

N⁶,2'-O-Dibutyryl-adenosine 3',5'-cyclic monophosphate sodium salt - ≥97% (HPLC), powder

Product Number:

D0260

CAS Number:

16980-89-5

MDL:

MFCD00005843

Formula:

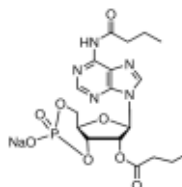
C₁₈H₂₃N₅NaO₈P

Formula Weight:

491.37 g/mol

Storage Temperature:

-20 °C



TEST

Specification

Appearance (Color)

White

Appearance (Form)

Powder

Solubility (Color)

Colorless to Faint Yellow

Solubility (Turbidity)

Clear to Slightly Hazy

100 mg/mL, H₂O

1H NMR Spectrum

Conforms to Structure

13C NMR Spectrum

Conforms to Structure

Water (by Karl Fischer)

≤ 7 %

Phosphorus (P) anhydrous

5.9 - 6.7 %

Sodium (Na) anhydrous

4.2 - 5.1 %

Purity (HPLC)

≥ 97 %

Cyclic-AMP

≤ 0.5 %

2'-O-monobutyryl-cyclic AMP

≤ 0.5 %

N⁶-monobutyryl-cyclic AMP

≤ 3 %

Specification: PRD.3.ZQ5.10000010347

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.