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Website: www.sigmaaldrich.com

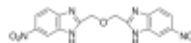
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
VU591 - ≥98% (HPLC)

Product Number: SML0077
Batch Number: 071M4602V
Brand: SIGMA
CAS Number: 1222810-74-3
Formula: C₁₆H₁₂N₆O₅
Formula Weight: 368.30 g/mol
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 30 AUG 2011
Date Retested: 07 JUL 2016



| Test | Specification | Result |
|--|---------------|-----------|
| Appearance (Color) | White to Tan | Tan |
| Appearance (Form) | Powder | Powder |
| Elemental Composition C ₁₆ H ₁₂ N ₆ O ₅ | Pass | Pass |
| Purity (HPLC) | ≥ 98.0 % | 100.0 % |
| Identity | Confirmed | Confirmed |



Brendan Nye, QC Supervisor
Quality Control
Natick, Massachusetts US

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.