

Certificate of Analysis

Product Name : DAPI for nucleic acid staining
Product Number : D9542-10MG
Batch Number : 0000439778
Source Batch : 0000289447
CAS Number : 28718-90-3
MDL Number : MFCD00012681
Storage Temperature : +2°C to +8°C
Molecular Formula : $C_{16}H_{15}N_5 \cdot 2HCl$
Formula Weight : 350.25 g/mol
Recommended Retest Date : Nov 2026
Quality Release Date : 26 Nov 2023

Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Color)	Yellow	Yellow
Solubility (Solvent)	Water	Water
Solubility (Conc)	19.60 - 20.40 mg/mL	20.00 mg/mL
Solubility (Heating)	Yes or No	Yes
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Yellow	Yellow
NMR (Solvent)	D2O	D2O
Identity by NMR	Consistent	Consistent with Structure
NMR (Residual Solvent 1)	Acetone	Acetone
NMR (% Solvent 1)	≤ 1.00 %	0.00 %
Purity (HPLC)	≥ 98.0 %	98.6 %

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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

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Batch 0000439778



Anna Bendersky, Quality Control Manager
Quality Control
Israel
IL

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