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Product Specification

Product Name:

4',6-Diamidino-2-phenylindole dihydrochloride - powder, ≥98% (HPLC and TLC), suitable for fluorescence

Product Number:

D9542

CAS Number:

28718-90-3

Formula:

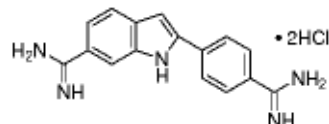
C₁₆H₁₅N₅ · 2HCl

Formula Weight:

350.25 g/mol

Storage Temperature:

2 - 8 °C



TEST	Specification
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Appearance (Form)	Powder
Appearance (Colour)	Yellow
Solubility (Solvent)	Water
Solubility (Conc)	19.60 - 20.40 mg/ml
Solubility (Heating)	Yes or No
Solubility (Turbidity)	Clear
Solubility (Color)	Yellow
Water (by Karl Fischer)	≤ 8.00 %
Elemental Anal. (%C anhydrous)	53.50 - 56.20 %
Elemental Anal. (%N anhydrous)	19.50 - 20.50 %
NMR (Solvent)	D ₂ O
Identity by NMR	Consistent
NMR (Residual Solvent 1)	Acetone
NMR (% Solvent 1)	≤ 1.00 %
Purity (TLC)	≥ 98.0 %
Purity (HPLC)	≥ 98.0 %
Recommended Retest Period	-----
3 Years	

Specification: PRE.1.ZQ5.10000001072

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.