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CERTIFICATE OF ANALYSIS

Catalog Number	C001-1
Product Name	4',6-diamidino-2-phenylindole, dihydrochloride (DAPI)
CAS Number	28718-90-3
Molecular Formula	$C_{16}H_{17}Cl_2N_5$
Molecular Weight	350.25
Appearance	yellow solid
Lot Number	AB2040

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	347 nm 32000 cm ⁻¹ M ⁻¹	348 ± 3 nm 31000 ± 3000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	455 nm	457 ± 4 nm
HPLC Purity	96 % at 254 nm	≥ 95 % at 254 nm
NMR Result	meets specification	consistent with structure

1. Solvent: Methanol.