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CERTIFICATE OF ANALYSIS

Catalog Number C001
Product Name 4',6-diamidino-2-phenylindole, dihydrochloride (DAPI)
CAS Number 28718-90-3
Molecular Formula C₁₆H₁₇Cl₂N₅
Molecular Weight 350.25
Appearance yellow solid
Lot Number

| | 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.