



Product Information Sheet

D2362
DAPI

Synonyms: DAPI dihydrochloride; 4',6-diamidino-2-phenylindole; 6-diamidino-2-phenylindole dihydrochloride
CAS: 28718-90-3
Formula: C₁₆H₁₇Cl₂N₅
Mol. Weight: 350.25

Properties

Form: Powder
Appearance: Yellow
Application: Biological Stain, Histology
Solubility: Water, DMSO, DMF
Storage Temp: -20 to 0°C
Typical Working Concentration: Varies with application, should be determined by end user.

Application Notes

An indole fluorescent dye used to stain cell nuclei. DAPI binds to AT-rich regions in the minor grooves of double-stranded DNA. Upon binding to DNA, it emits blue fluorescence (emission maxima, lambda max = 461 nm) when excited with near UV light (absorption maxima, lambda max = 358 nm).

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