

DAPI, Fluorescent DNA probe

Catalog	Unit
TBI5065-5MG	5 mg
TBI5065-25MG	25 mg

Product Details

Formal Name: 2-[4-(aminoiminomethyl)phenyl]-1H-indole-6-carboximidamide, dihydrochloride

Alternate Names: 4',6-Diamidino-2-phenylindole, dihydrochloride

Molecular Formula: C₁₆H₁₅N₅ • 2HCl

Formula Weight: 350.30

CAS Number: 28718-90-3

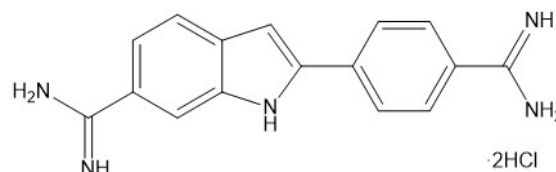
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (20 mg/ml warm); DMSO (35 mg/ml)

Storage: -20°C / protect from light

Stability: ≥ 2 years.



Applications

Fluorescent DNA probe

Functions

Fluorescent DNA stain for use on fixed cells for applications such as imaging, mitochondrial DNA detection, or nuclear quantitation. This dye, often used as a counterstain in immunofluorescence, binds strongly to AT rich runs of nucleic acid, causing its fluorescent emission to increase. Ex 358 nm; Em 461 nm (dsDNA), Em 500 (RNA).

Application Procedures

First dissolved in Water (20 mg/ml warm); DMSO (35 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be aliquoted and stored at -20°C for up to 3 months.

For research use only.