



Europa Bioproducts Ltd

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## -Cellstain-DAPI

Item#      Unit Size  
D212-10    1 mg

**Chemical Name:** 4',6-Diamidino-2-phenylindole, dihydrochloride [CAS#: 28718-90-3]

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**Appearance:** Yellow powder or solid

**MW:** 350.25, C<sub>16</sub>H<sub>17</sub>Cl<sub>2</sub>N<sub>5</sub>

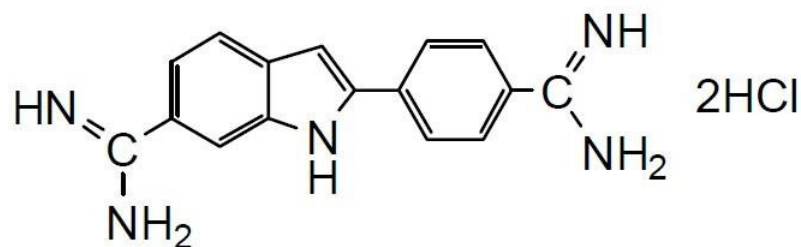
**Storage Condition :** -20°C, protect from light

**Shipping Condition :** ambient temperature

## Product Description

DAPI is an AT-sequence-specific DNA intercalator that attaches to DNA at the minor groove of the double helix like Hoechst dyes. DAPI is not permeable through viable cell membranes, but it passes through disturbed cell membranes to stain the nucleus. DAPI has a high photobleaching tolerance level. DAPI is utilized for the detection of mitochondrial DNA in yeast, chloroplast DNA, virus DNA, micoplasm DNA, and chromosomal DNA. The excitation and emission wavelengths of DAPI-DNA complex are 360 nm and 460 nm, respectively.

## Chemical Structure



CERTIFICATE NO. 32423

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