

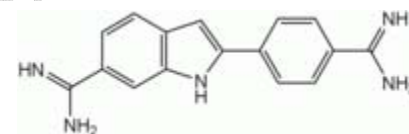
4,6-Diamidino-2-phenylindole (DAPI) *Cell Staining*

Catalogue Number: see table below

Product Description:

4',6-Diamidino-2-phenylindole, hydrochloride (DAPI) is known to form fluorescent complexes with natural double-stranded DNA, showing fluorescence specificity for AT, AU and IC clusters. Because of this property DAPI is a useful tool in various cytochemical investigations. When DAPI binds to DNA, its fluorescence is strongly enhanced, what has been interpreted in terms of a highly energetic and intercalative type of interaction, but there is also evidence that DAPI binds to the minor groove, stabilized by hydrogen bonds between DAPI and acceptor groups of AT, AU and IC base pairs.

F.W. 350.25



Application: Reagent compatible with fluorescein and rhodamine labels for counterstaining DNA.

Storage: 4°C

Packing Size:

Catalogue number	Concentration	Volume
CD051	1 mg/mL	1 mL
CD051-10MG	10 mg/mL	1 mL

