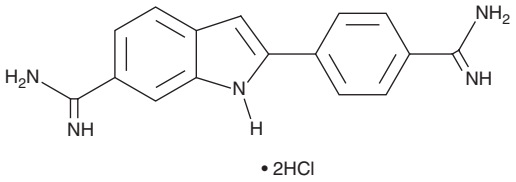
PRODUCT INFORMATION

DAPI (hydrochloride) (solution)

Item No. 40796

CAS Registry No.:	28718-90-3
Formal Name:	2-[4-(aminoiminomethyl)phenyl]-1H-indole-6-carboximidamide, dihydrochloride
Synonyms:	4',6-Diamidino-2-phenylindole, FxCycle Violet
MF:	$C_{16}H_{15}N_5 \bullet 2HCl$
FW:	350.3
Purity:	≥98%
Ex./Em. Max:	347/453 nm
Supplied as:	A solution in DMSO
Storage:	-20°C
Stability:	≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

DAPI is a fluorescent DNA probe.[1,2] It forms a fluorescent complex by attaching in the minor groove of adenine and thymine-rich sequences of DNA.[1] DAPI displays excitation/emission maxima of 347/453 nm, respectively. It has been commonly used as a cell viability dye and as a counterstain for DNA and chromosomes in fluorescent microscopy and flow cytometry applications.[1,2]

References

1. Kapuscinski, J. DAPI: A DNA-specific fluorescent probe. *Biotech. Histochem.* **70(5)**, 220-233 (1995).
2. Zink, D., Sadoni, N., and Stelzer, E. Visualizing chromatin and chromosomes in living cells. *Methods* **29(1)**, 42-50 (2003).

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