



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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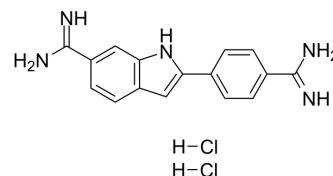
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DAPI (dihydrochloride) (solution)

Cat. No.:	HY-D0814A
CAS No.:	28718-90-3
Molecular Formula:	C ₁₆ H ₁₇ Cl ₂ N ₅
Molecular Weight:	350.25
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	Solution, -20°C, protect from light, 2 years



BIOLOGICAL ACTIVITY

Description

DAPI dihydrochloride (4',6-Diamidino-2-phenylindole dihydrochloride) (solution) is a DAPI dye. DAPI is a fluorescent dye that can bind strongly to DNA. DAPI binds to the A/T base pairs in the minor groove of double-stranded DNA (1 DAPI molecule can occupy 3 base pairs), which amplifies the fluorescence intensity by about 20 times. By observing the fluorescence intensity, DNA can be quantified. DAPI can also penetrate intact cell membranes and is often used to stain living and fixed cells^[1].

CUSTOMER VALIDATION

- Nat Methods. 2023 Nov 30.
- Cell Res. 2022 Dec;32(12):1047-1067.
- Light Sci Appl. 2022 Nov 11;11(1):324.
- Adv Funct Mater. 2022: 2204636.
- ACS Nano. 2023 Jul 3.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Kapuscinski J. DAPI: a DNA-specific fluorescent probe[J]. Biotechnic & histochemistry, 1995, 70(5): 220-233.

Caution: Product has not been fully validated for medical applications. For research use only.

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