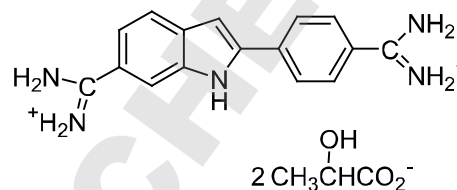


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: DAPI, dilactate 10mg/mL in H₂O (4',6-diamidino-2-phenylindole, dilactate)

CATALOG # 40043

MOLECULAR INFORMATION: C₂₂H₂₇N₅O₆
MWt: 457.49



PROPERTIES:

Color & Form Yellow liquid
Purity ≥ 95% by HPLC
Solubility Soluble in water
Absorption/Emission 358nm/461nm (DNA-bound)
Extinction Coefficient ≥ 21,000

STORAGE AND HANDLING:

Stored desiccated at 4 °C. Protect from light, especially when in solution.

APPLICATION:

DAPI dilactate is essentially the same as DAPI (dihydrochloride) (**40011**) except for the difference in their counter ions. The dilactate counter ions make the dye more water soluble. Because of the potential toxicity of DAPI, we offer DAPI dilactate dissolved in H₂O as a safer alternative to the powdery form, which is more likely for one to be in contact with.

Ref.: *Biotechnic. Histochem.* **70**, 220(1995).

TOXICITY: Unknown

FIRST AID: Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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