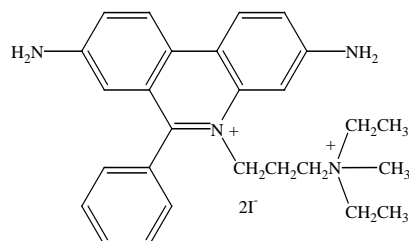


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Propidium Iodide (PI)**CATALOG #** 40016**MOLECULAR INFORMATION:** C₂₇H₃₄I₂N₄
MWt: 668.4
[25535-16-4]**PROPERTIES:**

Color & Form Orange red solid
Purity ≥ 95% by HPLC
Solubility Soluble in water or DMSO
Absorption/Emission 535/617nm (DNA-bound); 493/636nm (no DNA)
Extinction Coefficient 5400 (DNA-bound); 5900 (no DNA)

STORAGE AND HANDLING:

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

APPLICATION:

Propidium Iodide is a membrane-impermeant nucleic acid intercalator. The dye is commonly used to selectively stain dead cells in a cell population and also used as a counterstain in multicolor fluorescent imagings.

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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