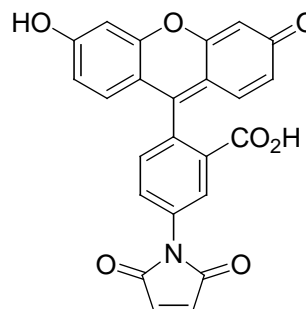


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Fluorescein-5-maleimide**CATALOG #** 91028**MOLECULAR INFORMATION:** C₂₄H₁₃NO₇
MW: 427
[75350-46-8]**PROPERTIES:**

Color & Form Yellow solid
Purity ≥ 95% by HPLC
Solubility Soluble in water (pH>6), DMF
Absorption/Emission 492/515 nm (pH 9)
Extinction Coefficient 83,000

STORAGE AND HANDLING: Store desiccated at -20 °C and protect from light. Aqueous stock solutions should be used within 24 hours. Avoid long-term storage.

APPLICATION: Fluorescein-5-maleimide is the most widely used green fluorescent thiol-reactive dye. Maleimides generally do not react with histidine or methionine as iodoacetamides do, thus resulting in very specific thiol labeling. The optimum pH for the labeling reaction of maleimides is around 7.0.

Ref.: 1) *Anal. Lett.* **18**, 393(1985); 2) *Biochemistry*, **30**, 2113(1991).

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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