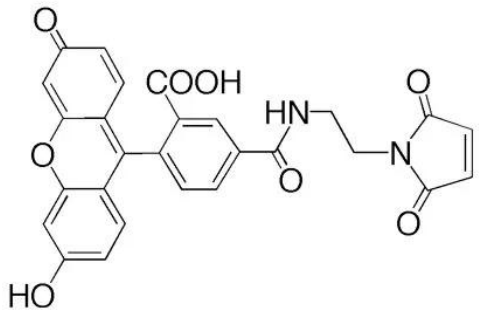
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FLUORESCEIN MALEIMIDE

SKU: SP-1502-12



DESCRIPTION

Fluorescein Maleimide is used to label free thiol groups with fluorescein. This fluorescent label can be directly visualized or used as a specific tag that can be detected with anti-fluroescein antibodies. For labeling nucleic acids, thiols can be introduced into DNA, RNA, or oligonucleotides using the 5′ EndTag™ or 3′ EndTag™ nucleic acid labeling systems..

SPECIFICATIONS

Molecular Weight	498.4
Maximum Emission	520 nm
Maximum Excitation	492 nm
Unit Size	12 mg
Species	DNA, Oligonucleotides, PNA, Protein, RNA
Storage Instructions	– 20°C to – 80 °C.

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

Tag/Group Incorporated	Fluorescein
Reactive Group	Thiol Group
Safety Title	WARNING: NA –www.P65Warnings.ca.gov
Source Species	DNA, Oligonucleotides, PNA, Protein, RNA

TECHNICAL INFORMATION

Fluorescein Maleimide is designed for fluoresceinating proteins, nucleic acids or other molecules containing one or more thiol groups. Molecules to be labeled with Fluorescein Maleimide require free thiol groups. In the case of proteins, Fluorescein Maleimide will react with exposed cysteine residues. Alternatively, free thiols may be generated by reducing disulfide bonds or by modifying other reactive groups such as primary amines with compounds like Traut's reagent (2-iminothiolane).

This fluorescent label can be directly detected or used as a hapten and detected with our high affinity antibody reagents. (Excitation maximum at 495 nm; emission maximum at 515 nm).

CITATIONS

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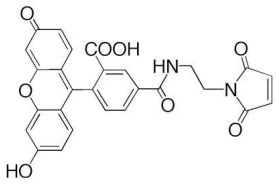
DOCUMENTS

- User Guide
- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES

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