

Tetramethylrhodamine-5-(and-6)-maleimide *Mixed isomers*

Cat. No. DYE-87 Lot. No. (See product label)

SPECIFICATION

Product Overview

Description

Tetramethylrhodamine-5-(and-6)-maleimide is an excellent reagent for preparing orange fluorescent bioconjugates through thiol modifications of peptides, nucleotides, nucleic acids and proteins. Maleimides are among the most frequently used reagents for thiol modification. In most proteins, the sites of reactions are at cysteine residues that either are intrinsically present or result from reduction of cystines. Unlike iodoacetamides, maleimides do not react with histidines and methionines under physiological conditions.

Molecular Mass 481.5

Formula C₂₈H₂₃N₃O₅

Ex(nm) 540

Em(nm) 567

Solvent DMSO

Storage Store at -20°C in the dark. Dessicated.

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