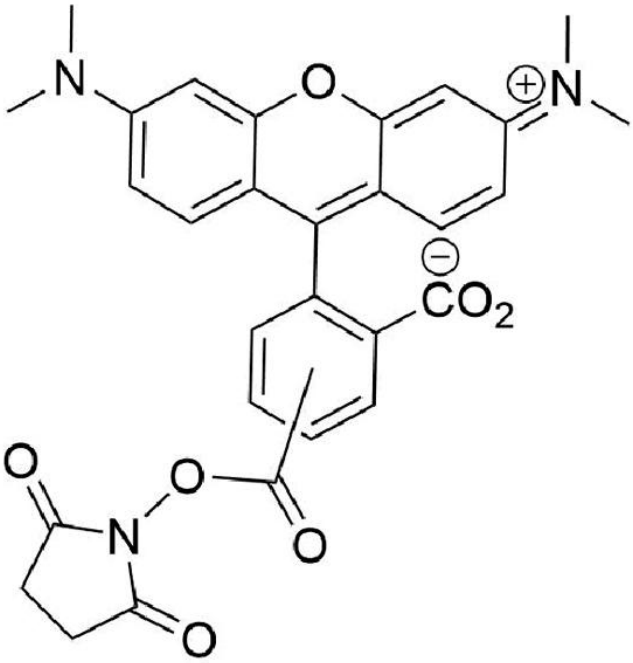
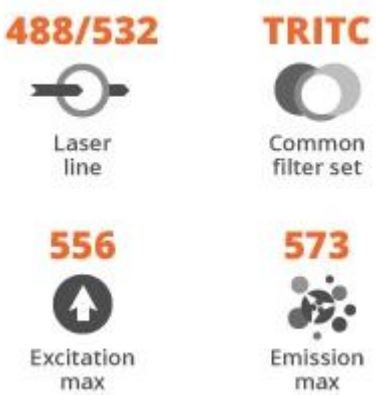
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

5(6)-TAMRA NHS ESTER

SKU: FP-1254



DESCRIPTION



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

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Telephone: (650) 697-3600

5(6)-TAMRA NHS Ester (5(6)-Carboxytetramethylrhodamine, TMR, TRITC) is a bright orange-fluorescent dye with excitation ideally suited to the 532 nm or 546 nm laser lines. It has been used widely for preparing peptide, protein, nucleotide and nucleic acid conjugates, especially fluorescent antibodies and avidin derivatives used in immunochemistry. The absorbance and emission maxima of TAMRA conjugates are 553 nm and 575 nm respectively.

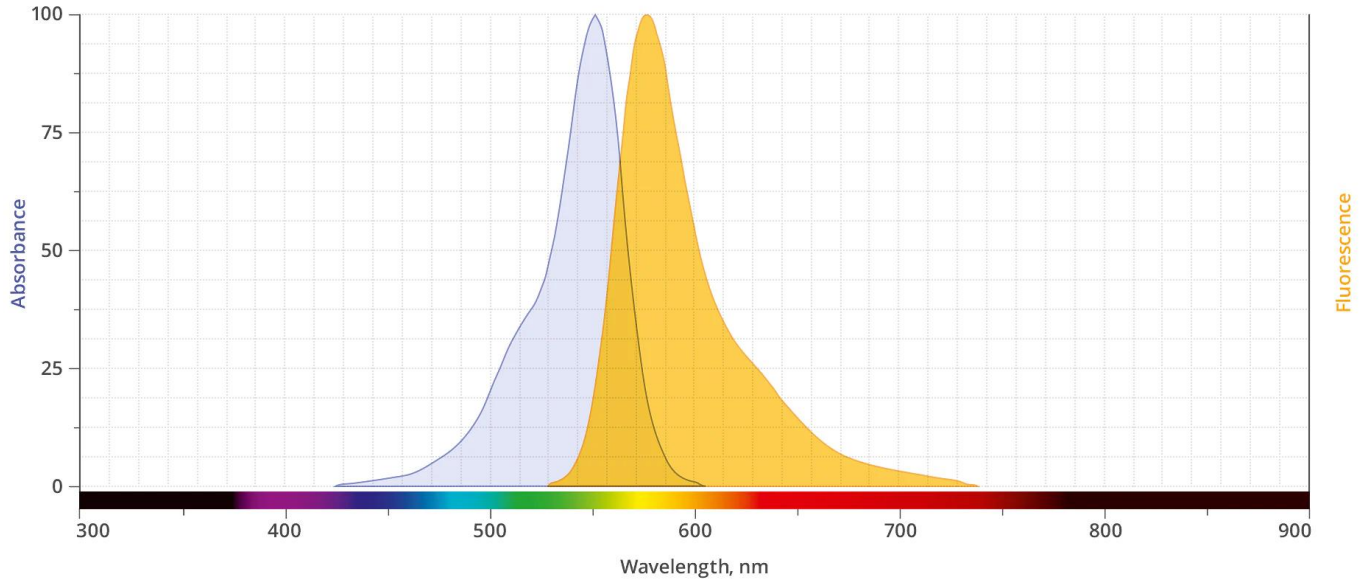
TAMRA NHS Ester reacts specifically and efficiently with a primary amine (e.g., side chain of lysine residues or aminosilane-coated surfaces) at pH 7-9 to form a stable, covalent amide bond. The NHS ester (or succinimidyl ester) is the most popular tool for conjugating dyes to the primary amines of protein or antibody (Lys), amine-modified oligonucleotides, and other amine-containing molecules.

SPECIFICATIONS

Molecular Weight	527.53
Extinction Coefficient	92,000 cm-1M-1
Reactivity	Primary amines
Unit Size	25 mg, 100 mg, 1000 mg
Solubility	DMSO, DMF, MeOH
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 546, TAMRA, CF™ 543, MB™ 543
Excitation/Emission Maximum	553/575 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

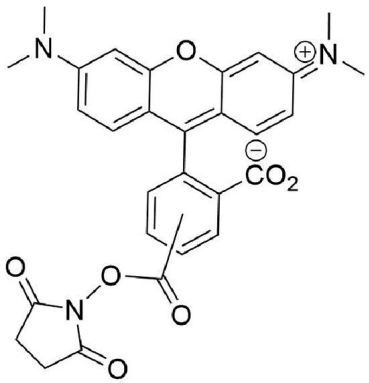
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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