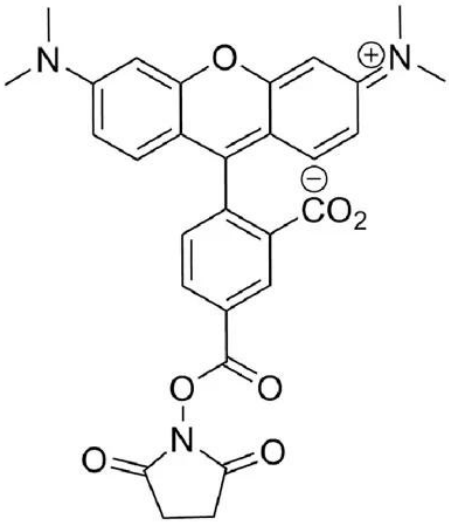
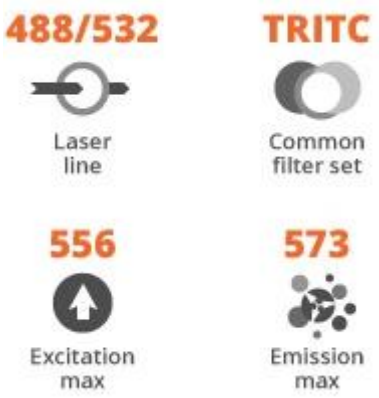
www.vectorlabs.com
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Telephone: (650) 697-3600

5-TAMRA NHS ESTER

SKU: FP-1255



DESCRIPTION



5-TAMRA NHS Ester (5-Carboxytetramethylrhodamine) is a bright orange-fluorescent dye with excitation ideally suited to the 532 nm or 546 nm laser lines. This dye is supplied purified single isomer 5. 5-TAMRA NHS Ester has been used widely for preparing peptide, protein, nucleotide and nucleic acid conjugates, especially fluorescent antibodies and avidin derivatives used in

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immunochemistry. The absorbance and emission maxima of TAMRA conjugates are 553 nm and 575 nm respectively.

5-TAMRA is more often used for labeling peptides and proteins. 6-TAMRA is predominately used for labeling nucleotides and sequencing nucleic acids. 5-TAMRA dye is a bright fluorescent label is compatible with various excitation sources including mercury arc, tungsten and xenon arc lamps, the 544 nm line of the Helium-Neon laser and the 532 nm green laser line.

The 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.

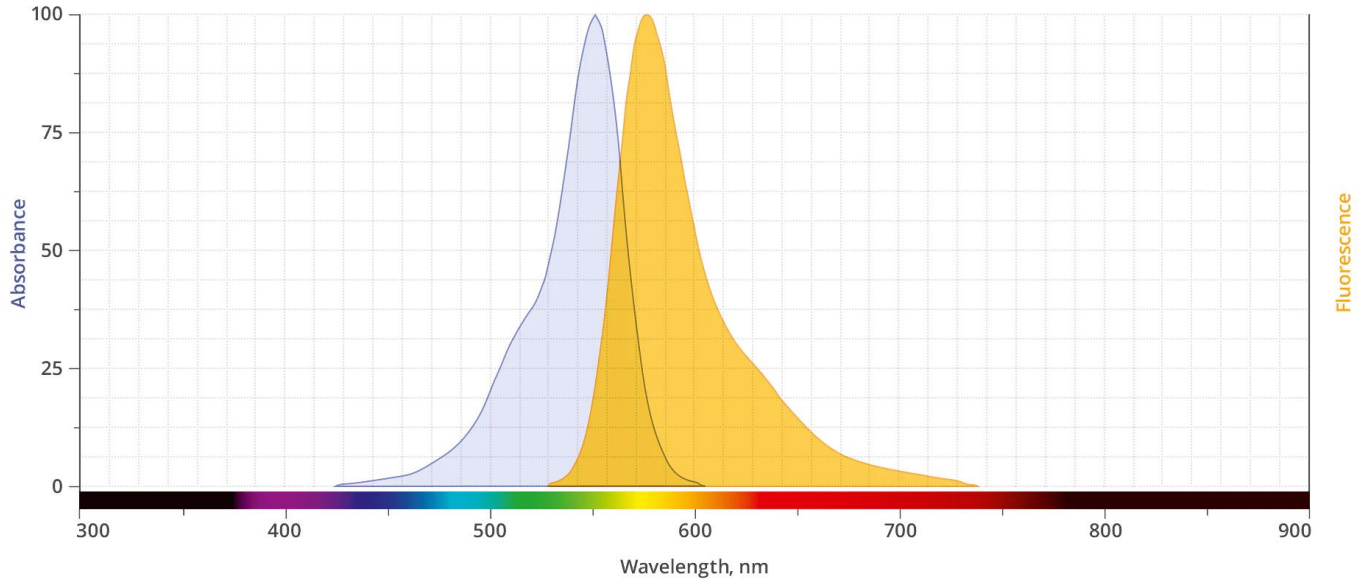
SPECIFICATIONS

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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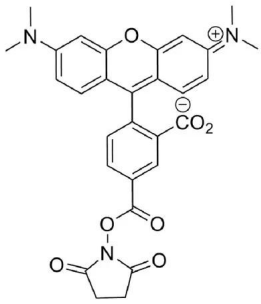
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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