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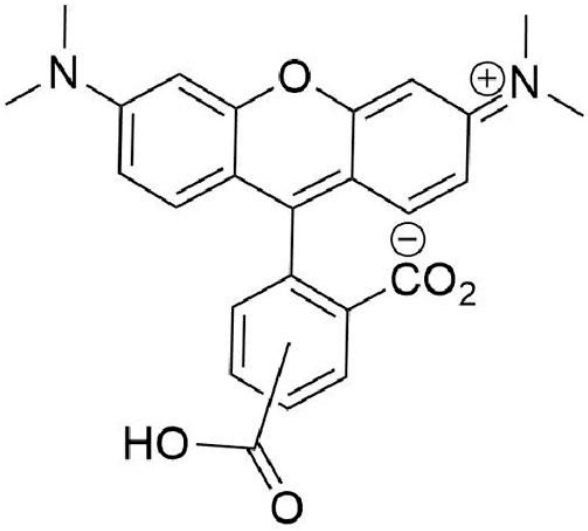
5(6)-TAMRA ACID

SKU: FP-1251



Description

5(6)-TAMRA Acid (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.

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

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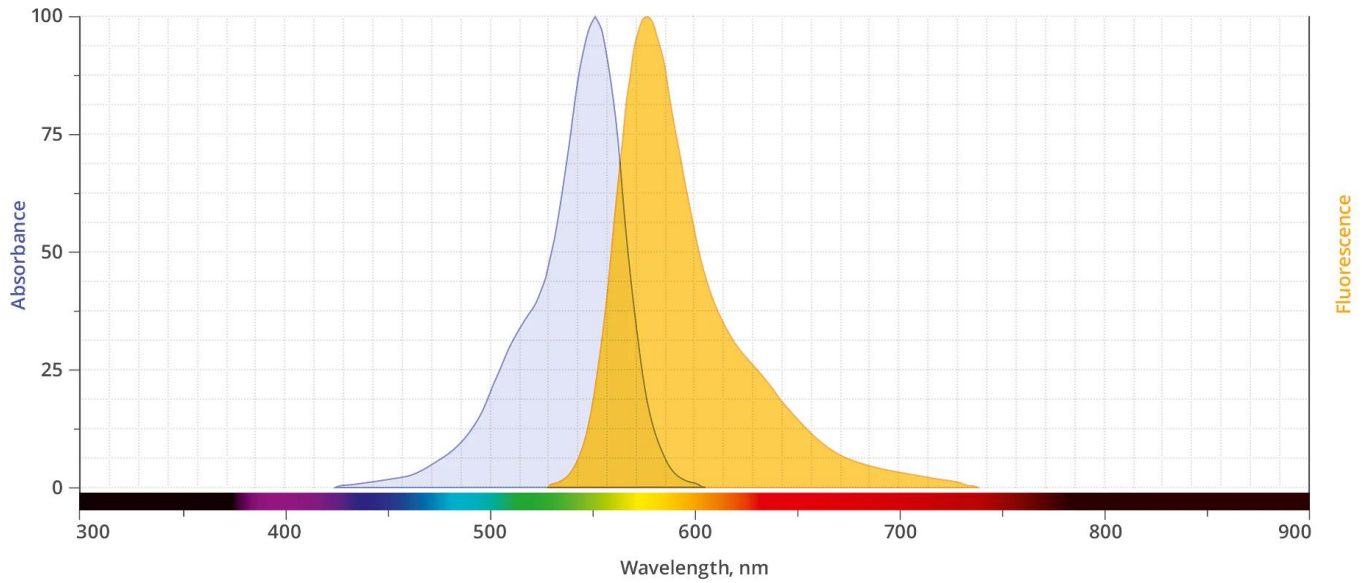
TAMRA Acid is a reagent of choice for the preparation of custom activated esters that often are not commercially available. Examples of such activated esters include sulfo-NHS, TFP (2,3,5,6-Tetrafluorophenol), STP (4-Sulfo-2,3,5,6-Tetrafluorophenol, Sodium Salt). Another common application for non-activated carboxylic acid is peptide modification during solid phase synthesis, which usually requires in-situ activation with peptide coupling regents, for example HATU. TAMRA Acid is also often used for control experiments, and for calibration.

Abs/Em Spectra



Specifications

Unit Size	25 mg, 100 mg, 1000 mg
Reactivity	Primary amines
Abs/Em Maxima	553/575 nm
Extinction coefficient	92,000 cm-1M-1
Solubility	DMSO, DMF, MeOH
Spectrally similar dyes	Alexa Fluor® 546, TAMRA, CF™ 543, MB™ 543
Molecular weight	430.46
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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