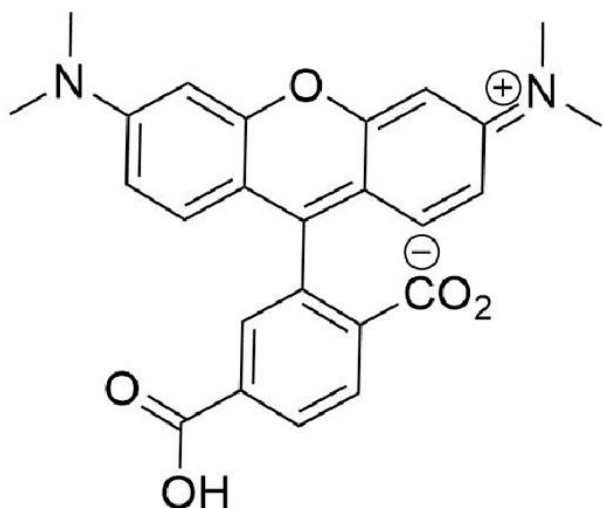




## 6-TAMRA ACID

**SKU:** FP-1253



## DESCRIPTION

**488/532**



Laser  
line

**TRITC**



Common  
filter set

**556**



Excitation  
max

**573**



Emission  
max

6-TAMRA Acid (6-Carboxytetramethylrhodamine) is a single, pure isomer of carboxytetramethylrhodamine (TMR) free acid. 6-TAMRA conjugates emit bright orange-fluorescence and its excitation band ideally suited to the 532 nm or 546 nm laser lines. It has

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been used widely for preparing peptide, protein, nucleotide and nucleic acid conjugates, especially fluorescent antibodies and avidin derivatives used in immunochemistry.

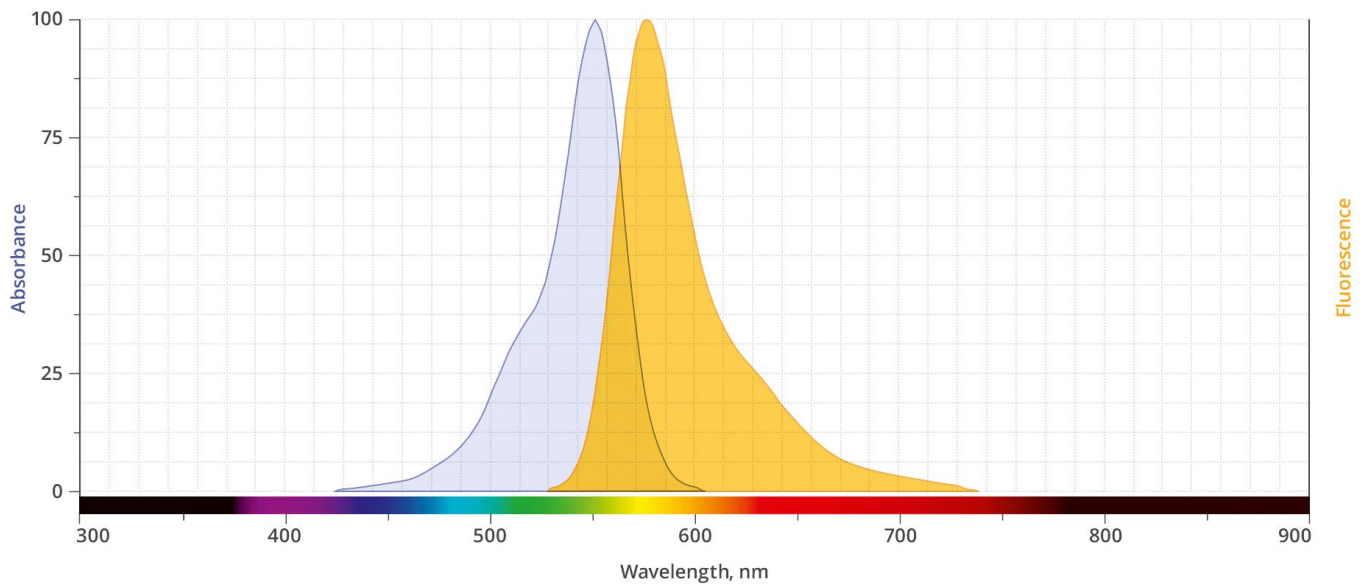
Although the mixed isomers of 5(6)-TAMRA Acid is a preferred, routinely used red fluorescent dye for staining proteins, labeling peptides and nucleotides, the purification of 5(6)-TAMRA labeled peptide and nucleotides might be troublesome due to significant signal broadening in HPLC purification. Peptides and nucleotides labeled with a single isomer TAMRA usually give better resolution in HPLC purification that is often required in the conjugation processes. 5-TAMRA is more often used for labeling peptides and proteins. 6-TAMRA is predominately used for labeling nucleotides and sequencing nucleic acids.

## SPECIFICATIONS

<b>Molecular Weight</b>	430.46
<b>Extinction Coefficient</b>	92,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Reactivity</b>	Primary amines
<b>Unit Size</b>	25 mg, 100 mg, 1000 mg, 5 g
<b>Solubility</b>	DMSO, DMF, MeOH
<b>Storage Instructions</b>	-20°C.
<b>Spectrally Similar Dyes</b>	Alexa Fluor® 546, TAMRA, CF™ 543, MB™ 543
<b>Excitation/Emission Maximum</b>	553/575 nm
<b>Shipping Conditions</b>	Ambient temperature
<b>Shipping Instructions</b>	Ambient temperature

## ABS/EM SPECTRA

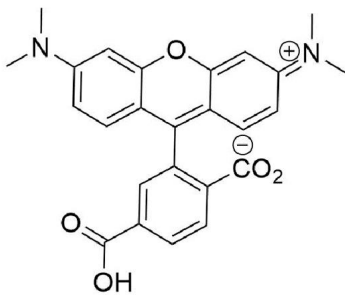
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## DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

## GALLERY IMAGES



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