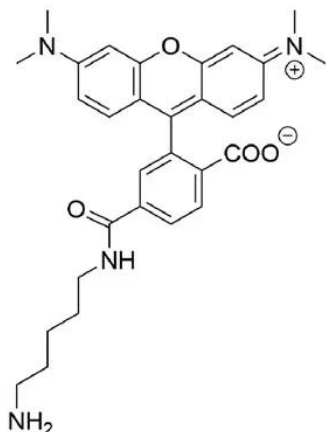


6-TAMRA CADAVERINE

SKU: FP-1262



Description

488/532



Laser
line

TRITC



Common
filter set

556



Excitation
max

573



Emission
max

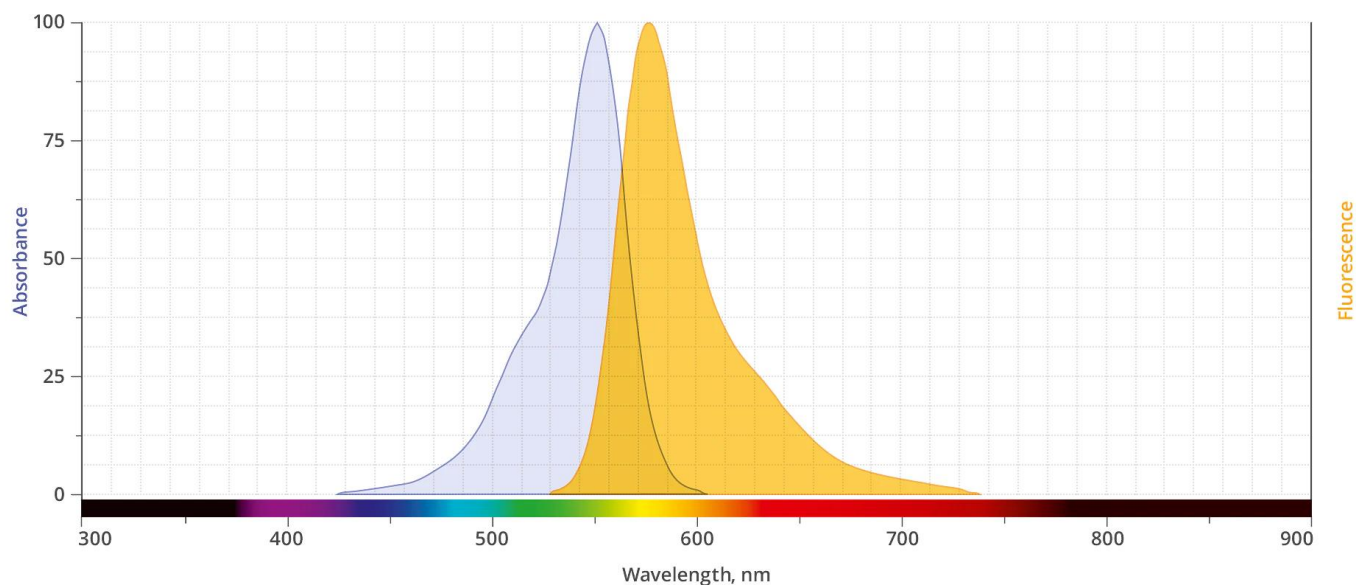
5-TAMRA cadaverine can be used to modify carboxylic acid groups in the presence of activators (e.g. EDC, or DCC) or activated esters (e.g. NHS esters) through a stable amide bond. It also can be reversibly coupled to aldehydes and ketones to form a Schiff base – which can be reduced to generate a stable amine derivative by sodium borohydride (NaBH_4) or sodium cyanoborohydride (NaCNBH_3).

Although the mixed isomers of 5(6)-TAMRA cadaverine is a preferred, routinely used orange-fluorescent dye for staining proteins, it is rarely used for labeling peptides and nucleotides.

For research use only. Not intended for animal or human therapeutic or diagnostic use.

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.

Abs/Em Spectra



Specifications

Unit Size	5 mg, 25 mg, 100 mg, 1000 mg
Reactivity	Primary amines
Abs/Em Maxima	553/575 nm
Extinction coefficient	89,000 cm ⁻¹ M ⁻¹
Solubility	DMSO, DMF, MeOH
Spectrally similar dyes	Alexa Fluor® 546, TAMRA, CF™ 543, MB™ 543
Molecular weight	627.24 (TFA salt)
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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