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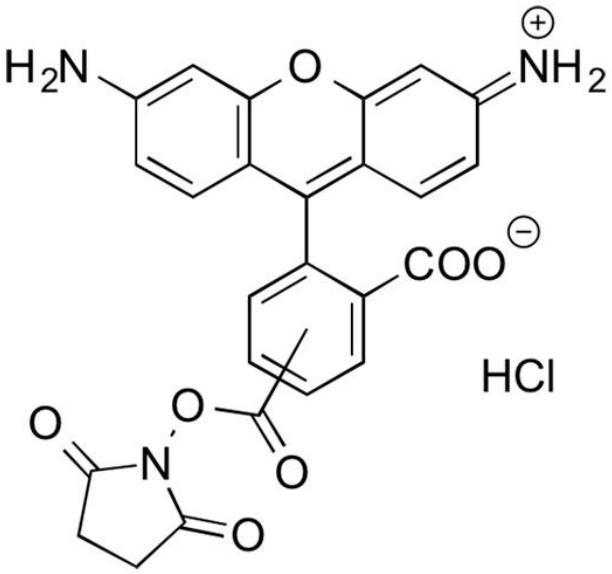
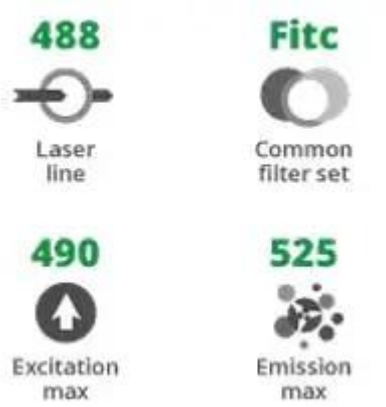
5-CARBOXYRHODAMINE 110 NHS ESTER

SKU: FP-1202



DESCRIPTION



5-Carboxyrhodamine 110 NHS Ester (also known as Rhodamine Green™ Carboxylic Acid,

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Succinimidyl Ester, Hydrochloride or 5-CR 110, SE) is the nonsulfonated analog of the Alexa Fluor® 488 dye. The amine-reactive 5(6)-Carboxyrhodamine 110 NHS Ester can be used to create bright and photostable green-fluorescent bioconjugates with excitation/emission maxima ~502/527 nm. For many applications, the dye is preferred over 5-(6)-carboxyfluorescein NHS ester or FITC because of its exceptional photostability and fluorescence insensitivity to pH (4-9).

Although the mixed isomers of Carboxyrhodamine 110 NHS Ester preferred, routinely used fluorescent dye for labeling proteins, peptides and nucleotides, purification of peptide and nucleotides labeled with 5(6) isomers might be troublesome due to significant signal broadening in HPLC purification. Peptides and nucleotides labeled with a single isomer usually give better resolution in HPLC purification that is often required in the conjugation processes.

SPECIFICATIONS

Molecular Weight	471.43
Extinction Coefficient	76,000 cm-1M-1
Reactivity	Primary amine
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-50°C to -85°C
Spectrally Similar Dyes	Alexa Fluor® 488, DyLight® 488, Fluorescein, Oregon Green 488
Excitation/Emission Maximum	502/527 nm
Shipping Conditions	Dry ice
Shipping Instructions	Dry ice

ABS/EM SPECTRA

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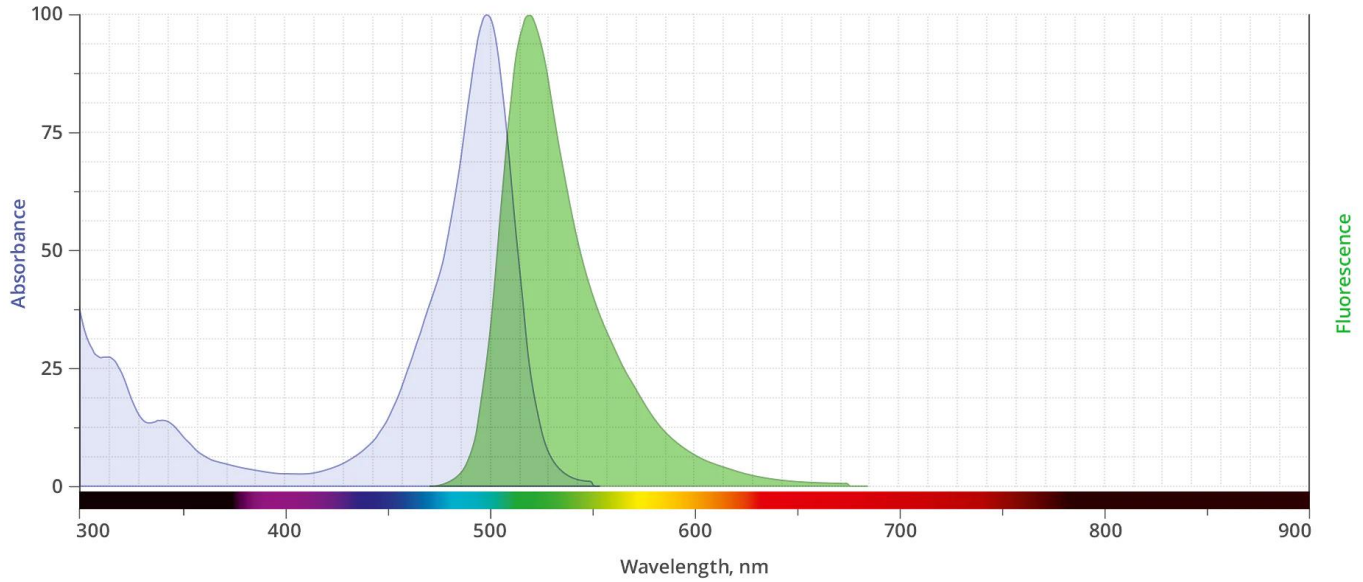
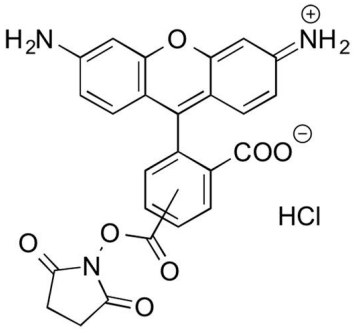


DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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