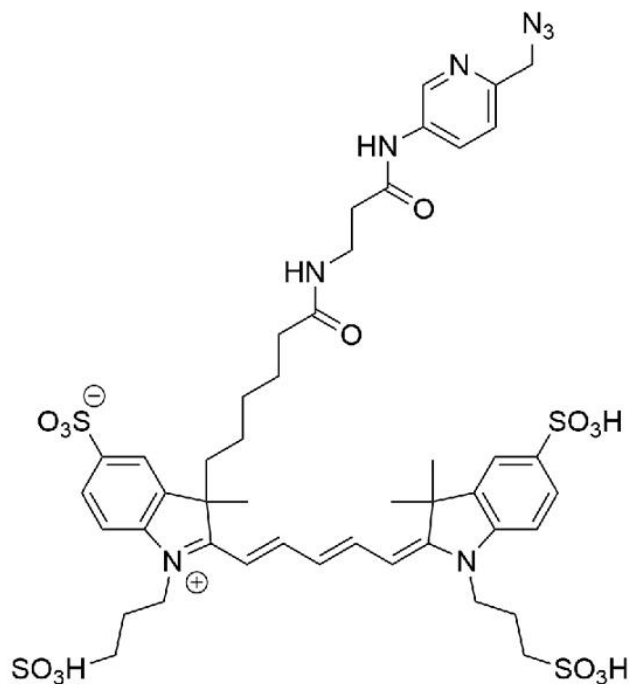


CY3 ACID

SKU: FP-1300



Description

488/532



Laser
line

TRITC



Common
filter set

555



Excitation
max

580



Emission
max

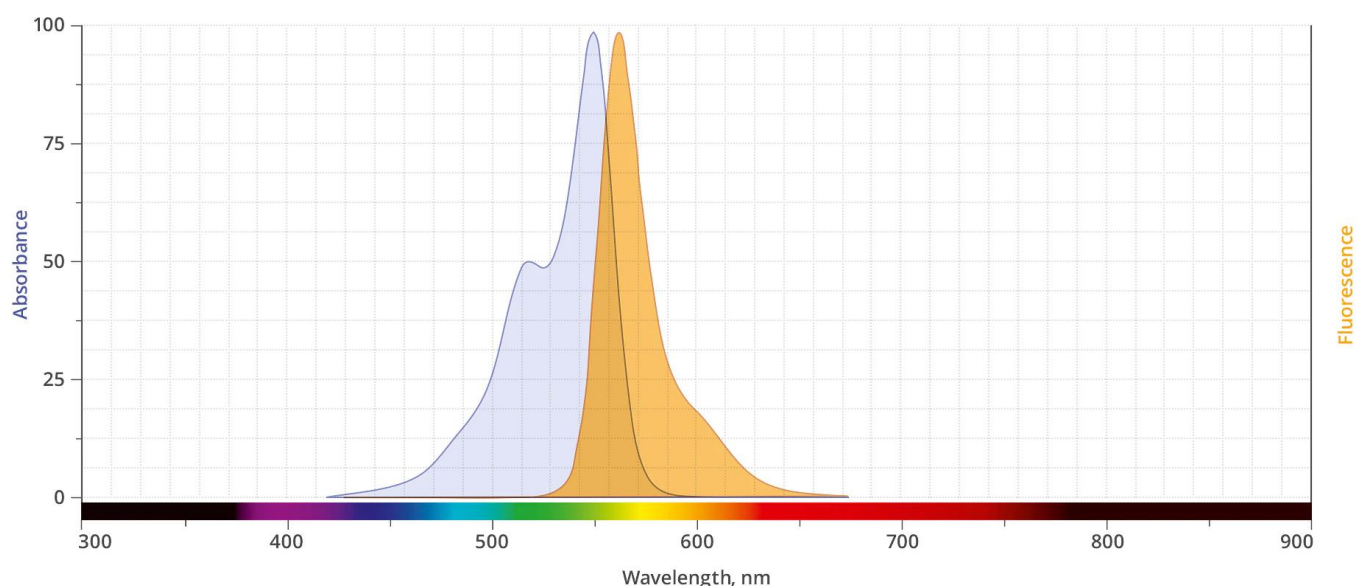
Cy3 Acid (also sold under Sulfo-Cyanine3 Acid) is a bright, water-soluble, and pH insensitive > from pH 4 to pH 10 orange-fluorescent dye. Cy3 conjugates of antibodies, peptides, and proteins can be excited using the 532 nm or 555 nm laser line and visualized with TRITC

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

(tetramethylrhodamine) filter sets. Cy3 conjugates give less background than TAMRA and most other commonly used fluorescent dyes.

The carboxylic acid of Cy3 dye 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 reagents, for example HATU. Cy3 Acid is also often used for control experiments, and for calibration.

Abs/Em Spectra



Specifications

Unit Size	5 mg, 25 mg, 100 mg
Reactivity	Non-activated
Abs/Em Maxima	555/572 nm
Extinction coefficient	150,000 cm ⁻¹ M ⁻¹
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Cy3, DyLight® 555, Alexa Fluor® 555
Molecular weight	616.74
Storage Conditions	-20°C.

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Shipping Conditions

Ambient temperature

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