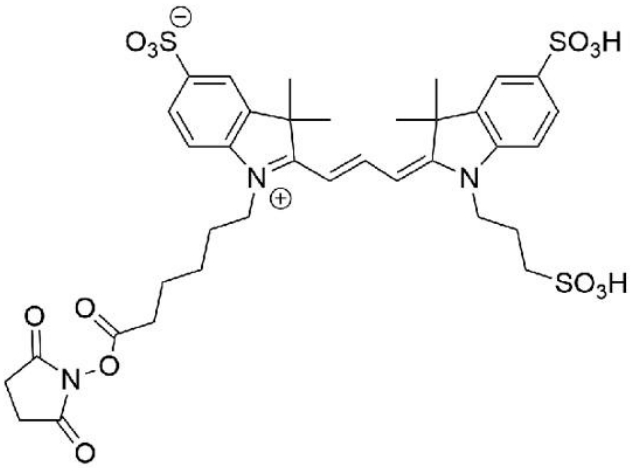
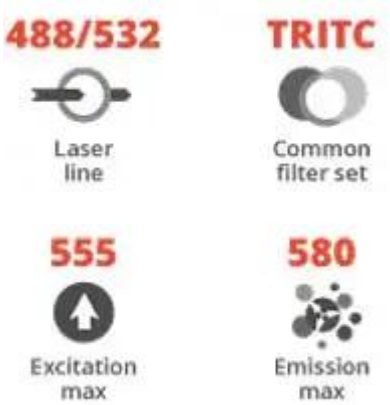
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

SULFO CY3 NHS ESTER

SKU: FP-1656



DESCRIPTION



Sulfo-Cy3 NHS Ester is a highly hydrophilic bright, and pH insensitive from pH 4 to pH 10 orange-fluorescent dye. Sulfo-Cy3 conjugates of antibodies, peptides, and proteins can be excited using the 532 nm or 555 nm laser line and visualized with TRITC (tetramethylrhodamine) filter sets. Sulfo-Cy3 conjugates give less background than TAMRA and most other commonly used fluorescent dyes.

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The NHS ester (or succinimidyl ester) is the most popular amine reactive group for labeling with the primary amines of proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules. Sulfo-Cy3 NHS ester is not recommended for labeling proteins at high molar ration due significant self-quenching, and only recommended for detection of moderate-to-high abundance targets. For detection of low-abundance biological targets we recommend using AZDye 555 NHS Ester (Alexa Fluor ® 555 analog), which can be attached to proteins at high molar ratios without significant self-quenching, enabling brighter conjugates and more sensitive detection.

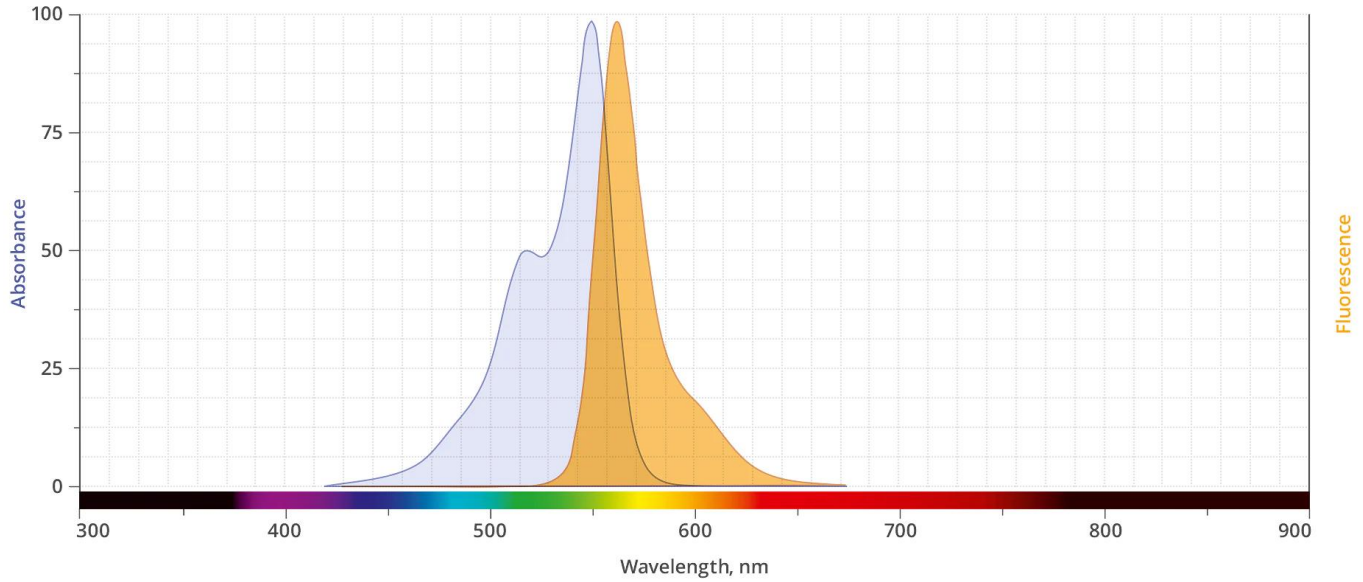
SPECIFICATIONS

Molecular Weight	821.93 (protonated)
Extinction Coefficient	150,000 cm-1M-1
Reactivity	Primary amine
Unit Size	5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Cy3, DyLight® 555, Alexa Fluor® 555
Excitation/Emission Maximum	555/572 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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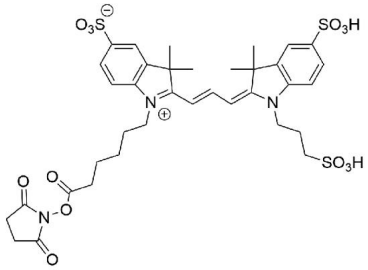
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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