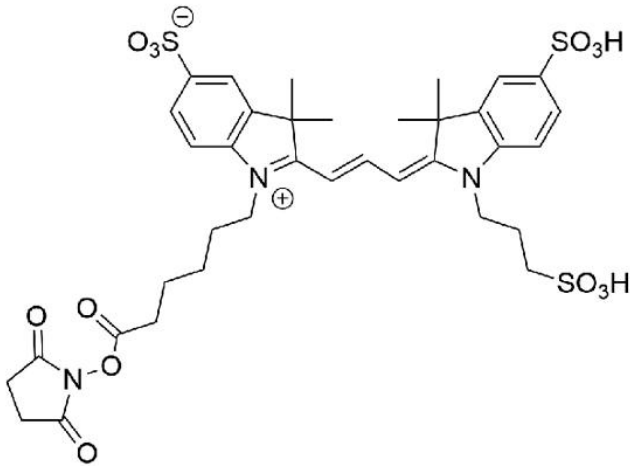




## SULFO CY3 NHS ESTER

**SKU:** FP-1656



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## DESCRIPTION

**488/532**



Laser  
line

**TRITC**



Common  
filter set

**555**



Excitation  
max

**580**



Emission  
max

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.

**For research use only. Not intended for therapeutic or diagnostic use in animals or humans.**



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 ratios due to significant self-quenching, and is 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

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

## ABS/EM SPECTRA

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