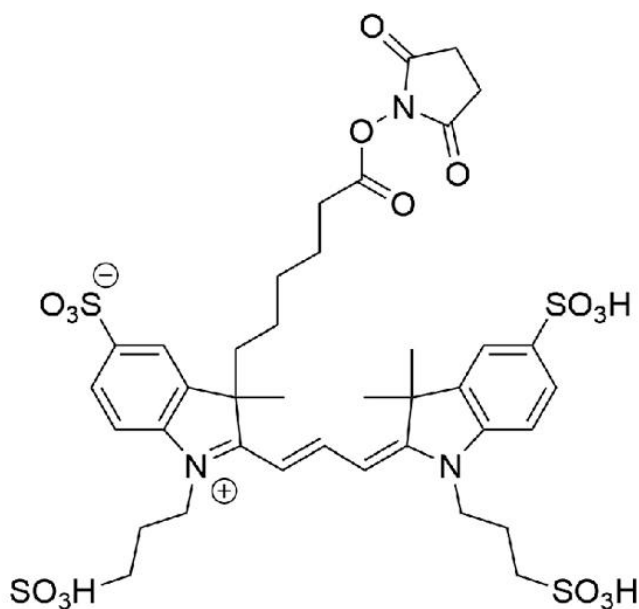




AZDYE 555 NHS ESTER

SKU: FP-1166



DESCRIPTION

488/532



Laser
line

TRITC



Common
filter set

555



Excitation
max

580



Emission
max

AZDye™ 555 NHS Ester is a water-soluble, bright orange-fluorescent dye with excitation ideally

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suited for the 532 nm or 555 nm laser lines and visualized with TRITC (tetramethylrhodamine) filter sets. AZDye™ 555 conjugates of antibodies, peptides, and proteins are pH insensitive from pH 4 to pH 10. Proteins can be labeled with AZDye 555 NHS Ester at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection. AZDye™ 555 conjugates ideally suited for detection of low abundance targets.

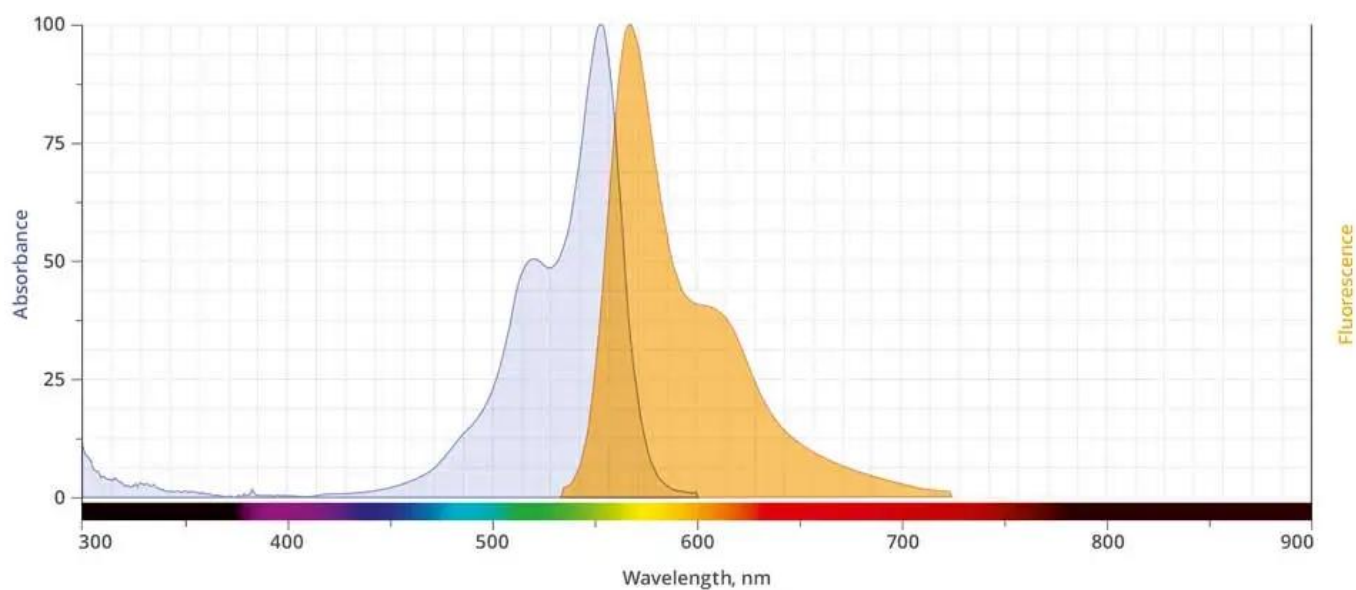
The NHS Ester reacts specifically and efficiently with a primary amine at pH 7-9 to form a stable, covalent amide bond. The NHS ester (or succinimidyl ester) is the most popular tool for conjugating dyes to the primary amines of protein or antibody (Lys), amine-modified oligonucleotides, and other amine-containing molecules.

SPECIFICATIONS

Molecular Weight	930.04 (protonated)
Extinction Coefficient	155,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amine
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Cy3, DyLight® 550, Alexa Fluor® 555
Excitation/Emission Maximum	555/572 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

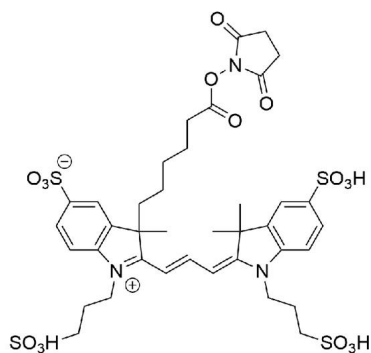
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DOCUMENTS

- [Safety Data Sheet](#)
- [Datasheet](#)

GALLERY IMAGES



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