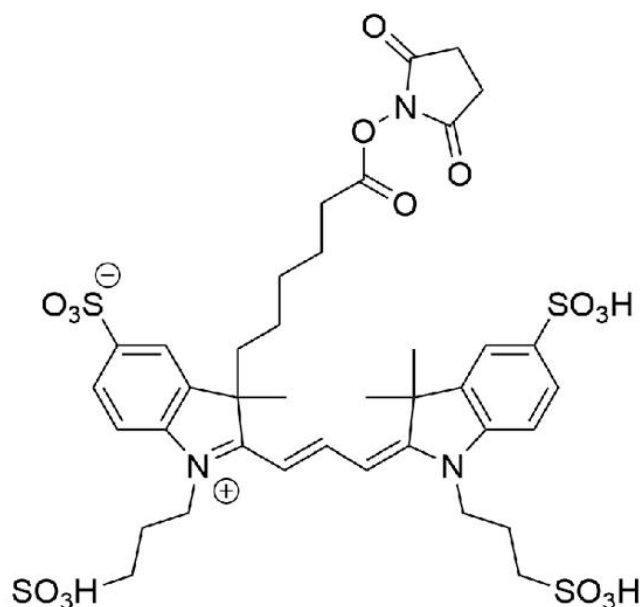


AZDYE 555 NHS ESTER

SKU: FP-1166



Description

488/532



Laser
line

TRITC



Common
filter set

555



Excitation
max

580

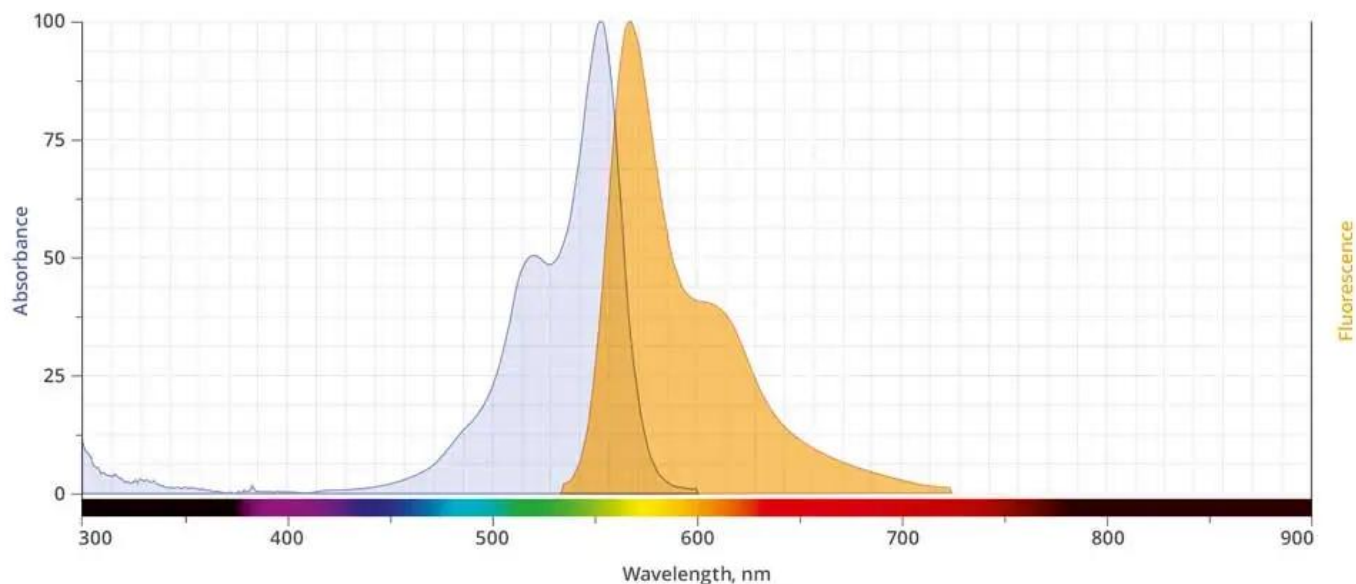


Emission
max

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

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

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

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Primary amine
Abs/Em Maxima	555/572 nm
Extinction coefficient	155,000 cm ⁻¹ M ⁻¹
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Cy3, DyLight® 550, Alexa Fluor® 555
Molecular weight	930.04 (protonated)
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature

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