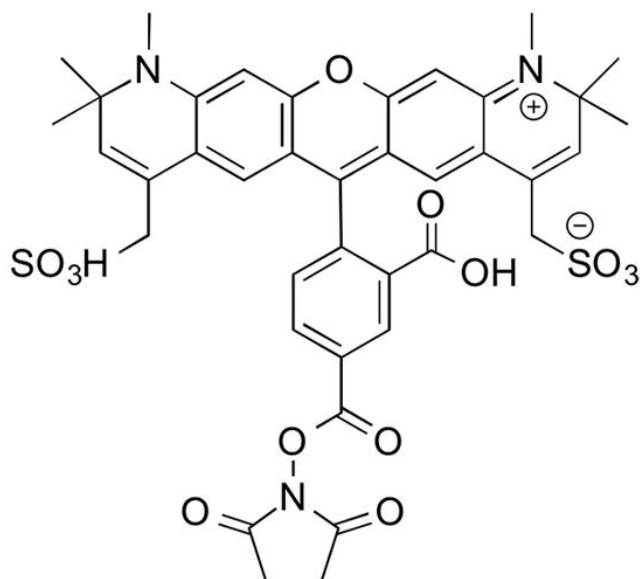




AZDYE 594 NHS ESTER

SKU: FP-1101



DESCRIPTION



AZDye™ 594 NHS Ester is the most popular tool for modifying proteins or antibodies through the primary amines (Lys), amine-modified oligonucleotides, and other amine-containing biomolecules with AZDye™ 594 label. The labeling occurs most efficiently at pH 7-9 and forms a stable, covalent amide bond. AZDye™ 594 dye can be used for proteins labeling at high molar ratios without significant self-quenching, enabling brighter conjugates and more sensitive detection.

AZDye™ 594 is bright, water-soluble, and pH-insensitive from pH 4 to pH 10 red-fluorescent dye with absorption and emission maxima at 590 and 617 nm, respectively. It can be used with the 561 nm and 594 nm laser lines. AZDye™ 594 dye conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates often used for generation of stable

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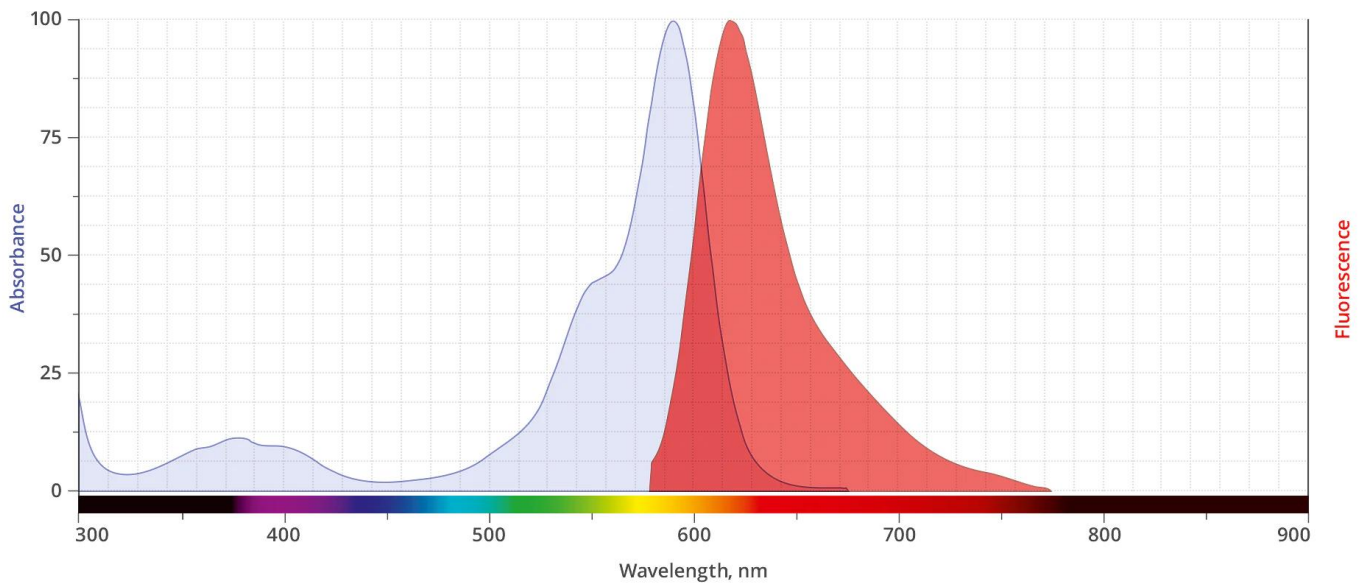


signal in imaging and flow cytometry.

SPECIFICATIONS

Molecular Weight	819.85
Extinction Coefficient	92,000 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	Alexa Fluor® 594, CF™ 594, DyLight® 594
Excitation/Emission Maximum	590/617 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



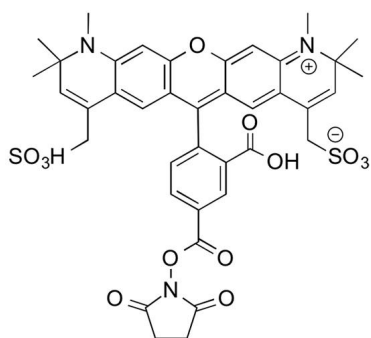
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DOCUMENTS

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

GALLERY IMAGES



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