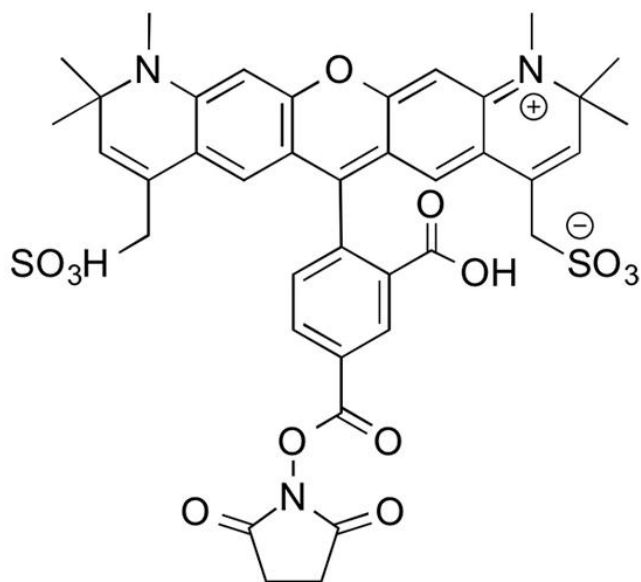


# AZDYE 594 NHS ESTER

SKU: FP-1101



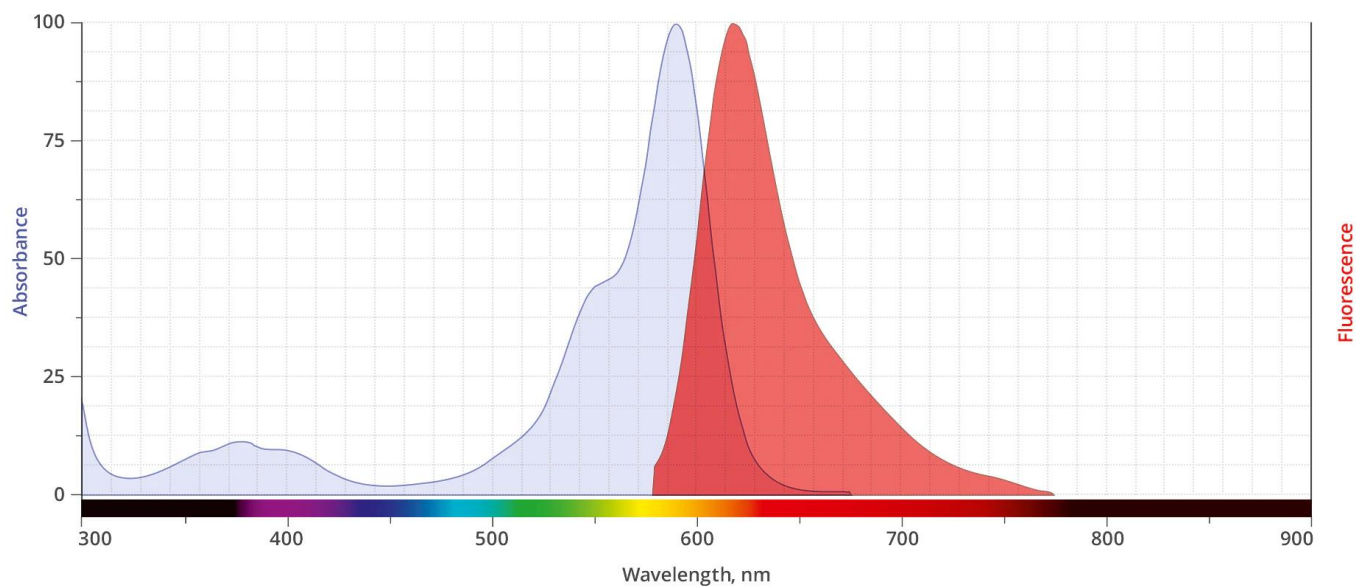
## Description



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 signal in imaging and flow cytometry.

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



Abs/Em Spectra

## Specifications

<b>Unit Size</b>	1 mg, 5 mg, 25 mg, 100 mg
<b>Reactivity</b>	Primary amine
<b>Abs/Em Maxima</b>	590/617 nm
<b>Extinction coefficient</b>	92,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Solubility</b>	Water, DMSO, DMF
<b>Spectrally similar dyes</b>	Alexa Fluor® 594, CF™ 594, DyLight® 594
<b>Molecular weight</b>	819.85
<b>Storage Conditions</b>	-20°C.
<b>Shipping Conditions</b>	Ambient temperature

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