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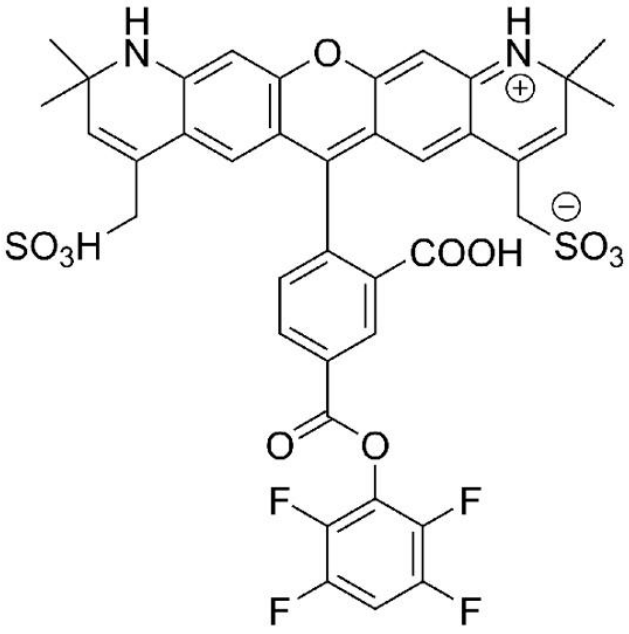
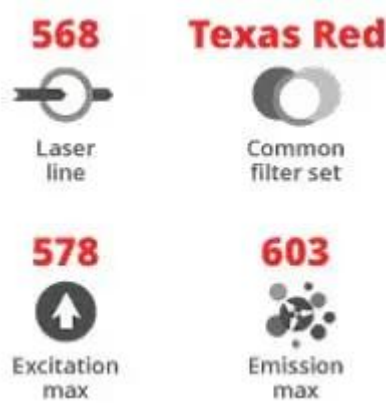
AZDYE 568 TFP ESTER

SKU: FP-1091



DESCRIPTION



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AZDye™ 568 TFP Ester is an amine-reactive, orange fluorescent dye routinely used to label proteins or antibodies through the primary amines (Lys), amine-modified oligonucleotides, and other amine-containing biomolecules. AZDye™ 568 dye can be used for proteins labeling at high molar ratios without significant self-quenching, enabling brighter conjugates and more sensitive detection.

TFP (tetrafluorophenyl) ester is an amine-reactive activated ester that reacts with primary amines of biomolecules in the same way as the succinimidyl ester (SE or NHS-ester) to form a stable amide bond. The major advantage of TFP esters over the succinimidyl ester is much improved resistance to spontaneous hydrolysis during conjugation reactions resulting in more efficiency and better reproducible labeling of biopolymers. TFP esters are stable for several hours at the basic pH typically used for reactions–far outlasting succinimidyl esters.

SPECIFICATIONS

Molecular Weight	842.79 (protonated)
Extinction Coefficient	88,000 cm-1M-1
Reactivity	Primary amine
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 568, CF™ 568
Excitation/Emission Maximum	578/602 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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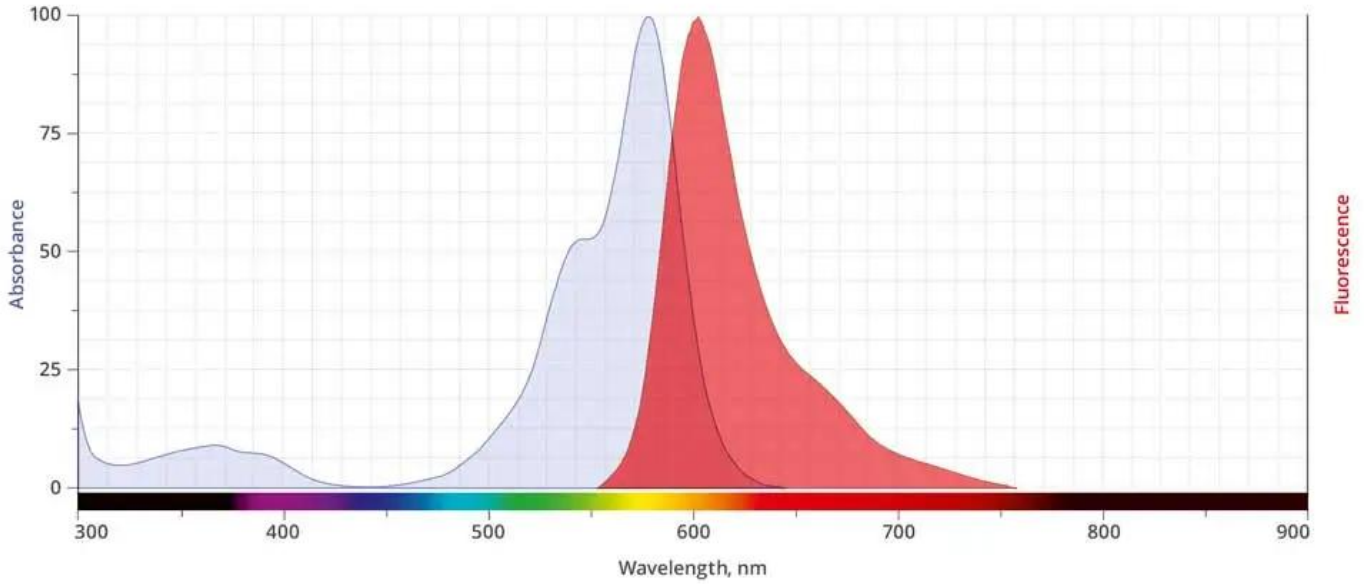
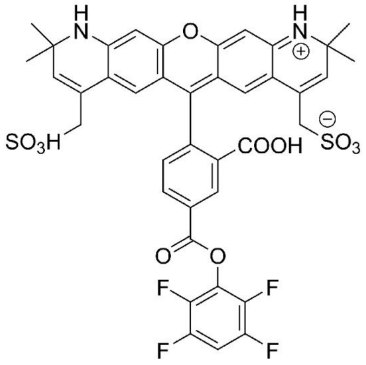


DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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