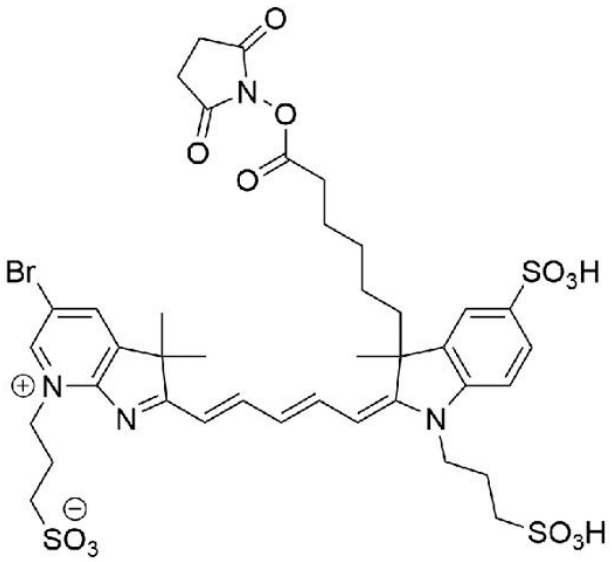
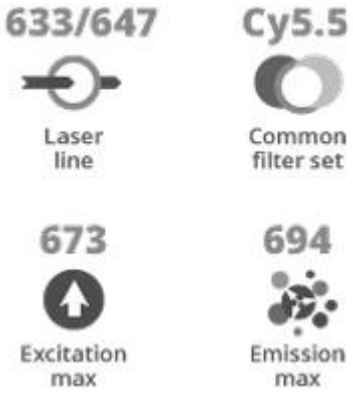
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 680 NHS ESTER

SKU: FP-1791



DESCRIPTION



AZDye 680 is a bright and photostable near-IR dye that is spectrally and structurally identical to Alexa Fluor® 680 Dye. AZDye 680 is often used for small animal imaging applications in the 700

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nm wavelength and provides excellent clearance profiles in animals. Flow cytometry is another common application for this dye. AZDye 680 ideally suited for the 633 nm laser line. This near-IR fluorescent dye is water soluble and pH-insensitive from pH 4 to pH 10. AZDye 680 molecules can be attached to proteins at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection. The long wavelength emission allows for detection in complex samples with auto-fluorescent background signals.

The NHS ester (succinimidyl ester) of AZDye 680 is the most popular tool for conjugating this dye to a protein or antibody. NHS esters can be used to label to the primary amines (R-NH2) of proteins, amine-modified oligonucleotides, and other amine-containing molecules.

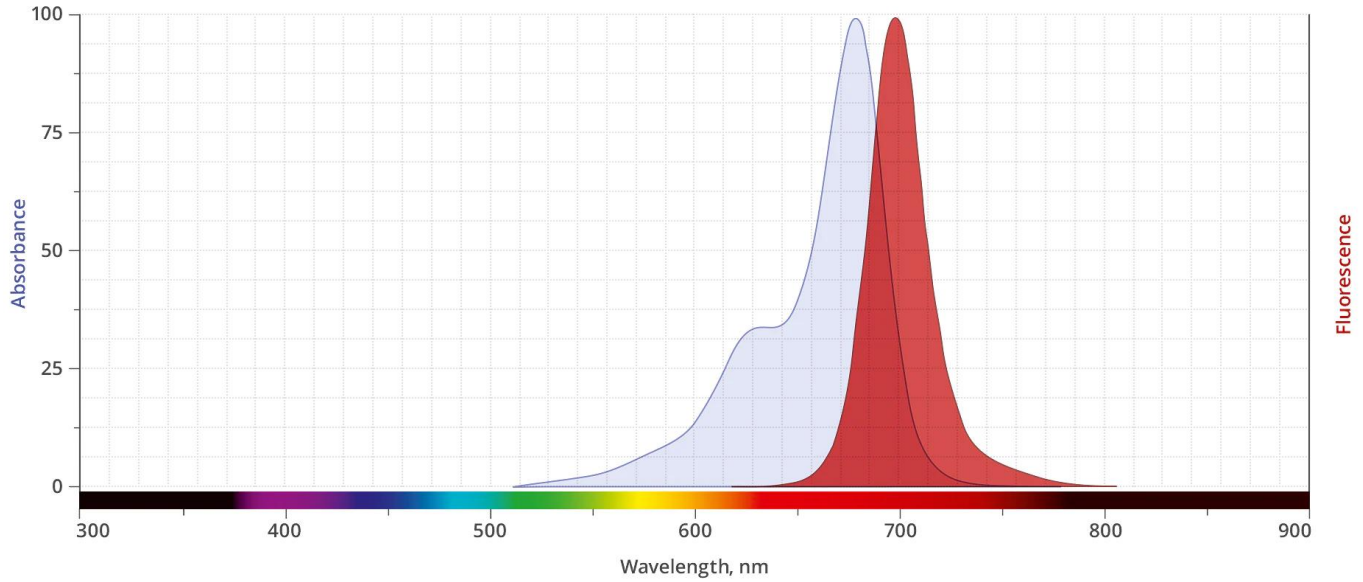
SPECIFICATIONS

Molecular Weight	955.9
Extinction Coefficient	185,000 cm-1M-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® 680, DyLight® 680, IRDye® 680
Excitation/Emission Maximum	678/701 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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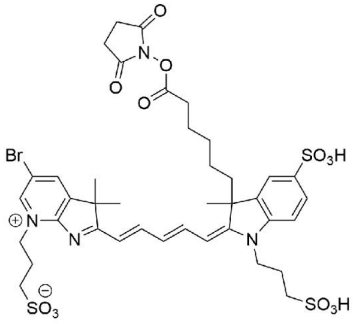
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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