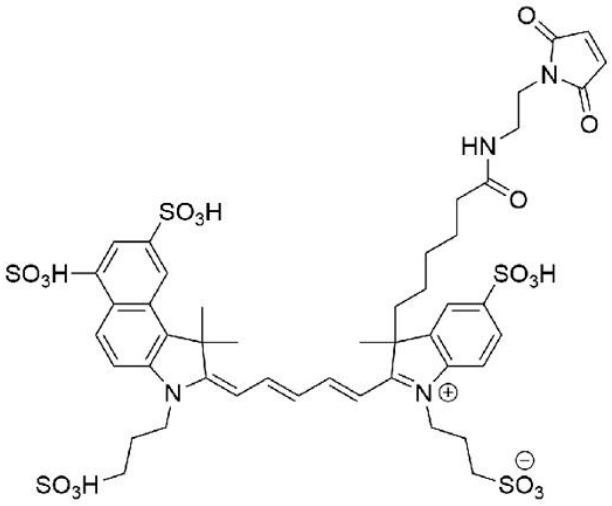
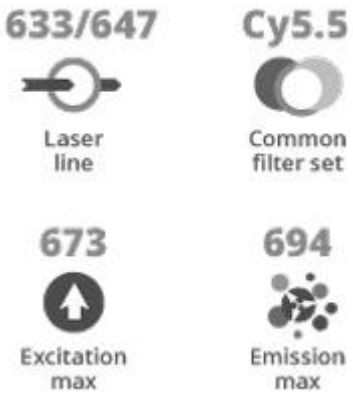
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 660 MALEIMIDE

SKU: FP-1822



DESCRIPTION



AZDye 660 is a bright and photostable near-IR dye that is spectrally almost identical to Alexa Fluor® 660 and CF660® 680RD. AZDye 680 is often used for a bright and photostable far-red dye with excitation ideally suited to the 633 or 647 nm laser line. AZDye 660 ideally suited for

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the 633 nm laser line. This near-IR fluorescent dye is water soluble and pH-insensitive from pH 4 to pH 10. AZDye 660 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.

Maleimide is the most popular sulfhydryl-reactive reactive group for conjugating the dye to a thiol group on a protein, oligonucleotide thiophosphate, or low molecular weight ligand. The maleimide group specifically and efficiently reacts with reduced thiols (sulfhydryl groups, –SH) at pH 6.5 to 7.5 to form stable thioether bonds.

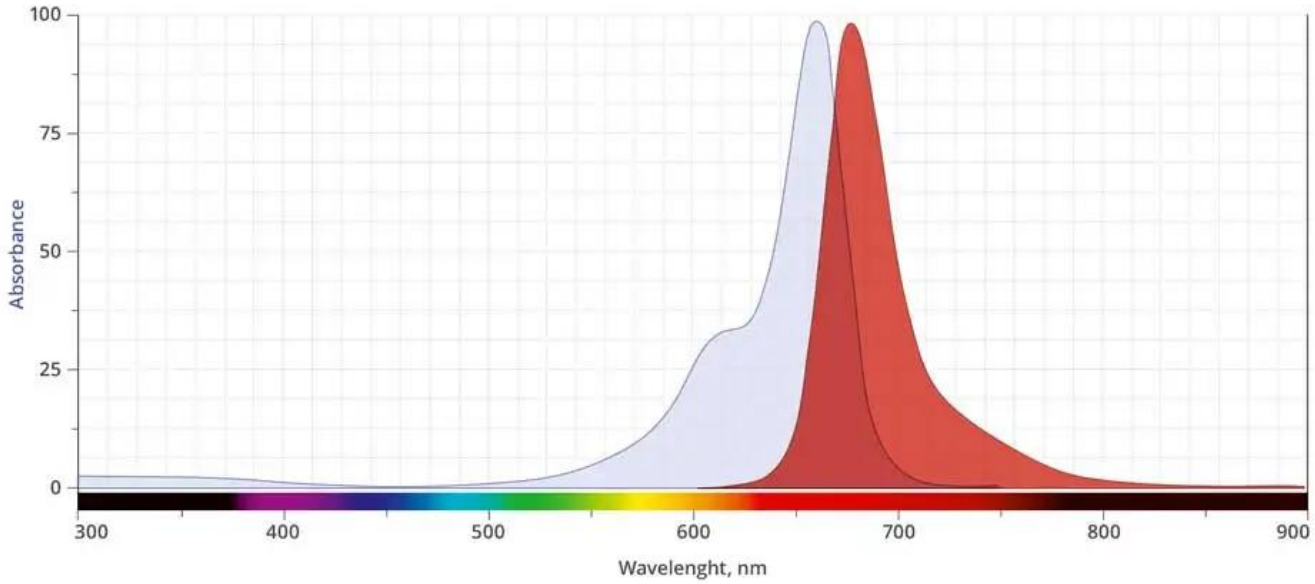
SPECIFICATIONS

Molecular Weight	1111.25
Extinction Coefficient	250,000 cm-1M-1
Reactivity	Thiol (Cys)
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 660, CF® 660
Excitation/Emission Maximum	662/690 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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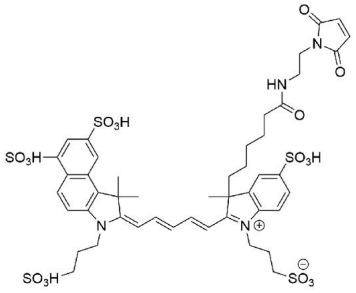
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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