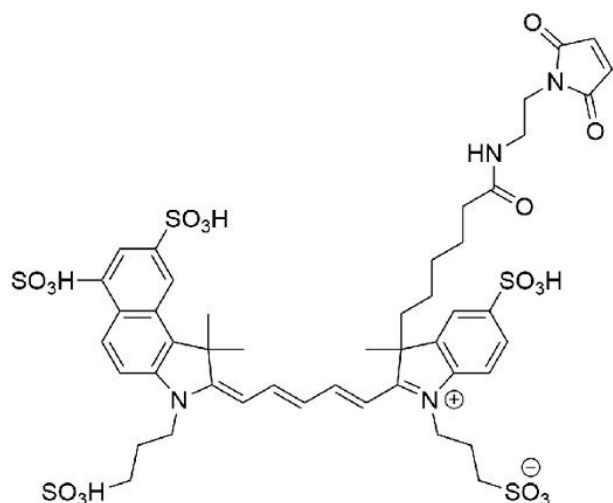




AZDYE 660 MALEIMIDE

SKU: FP-1822



DESCRIPTION

633/647



Laser
line

Cy5.5



Common
filter set

673



Excitation
max

694



Emission
max

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 ⁻¹ M ⁻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

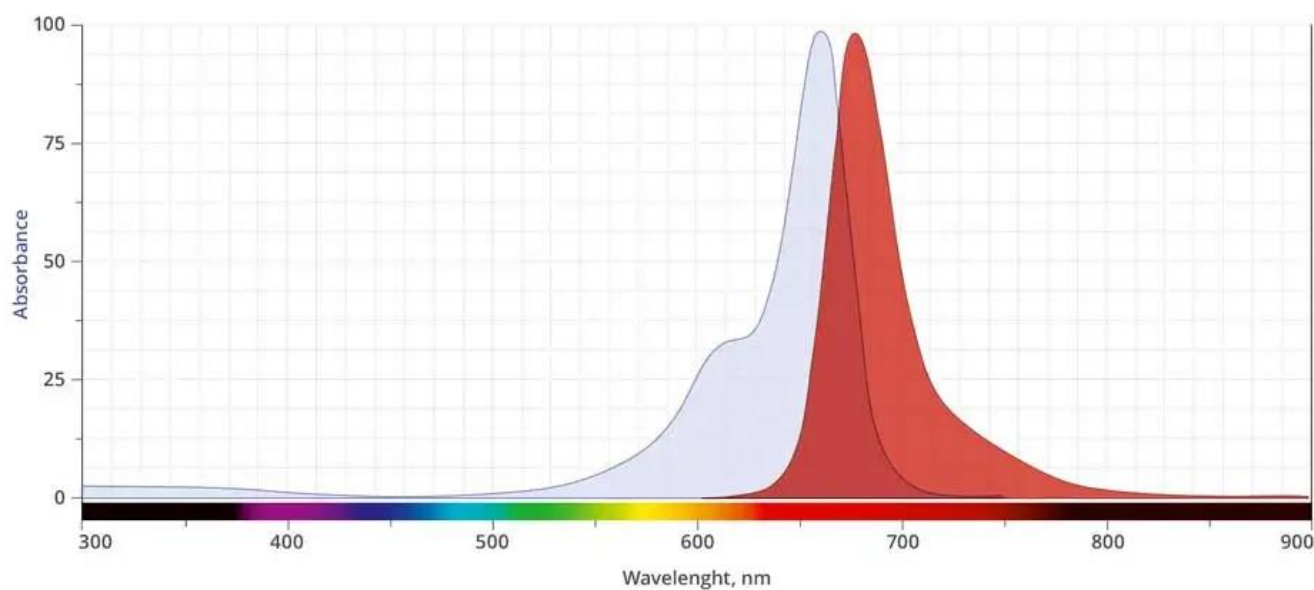
ABS/EM SPECTRA

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

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AZDye 660 Maleimide

<https://vectorlabs.com/products/azdye-660-maleimide/>