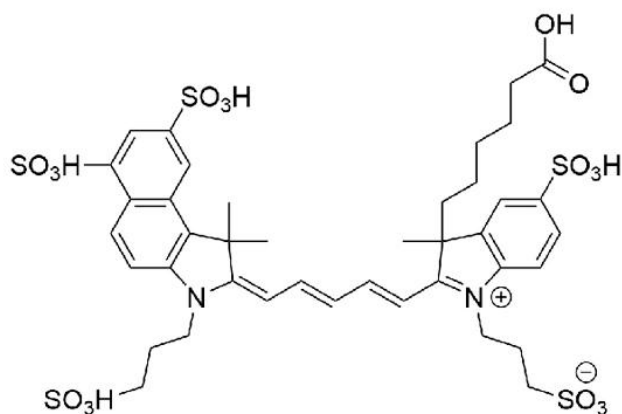




AZDYE 660 ACID

SKU: FP-1820



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 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

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wavelength emission allows for detection in complex samples with auto-fluorescent background signals.

The carboxylic acid of AZDye 660 is a reagent of choice for the preparation of custom activated esters that often are not commercially available. Examples of such activated esters include sulfo-NHS, TFP (2,3,5,6-Tetrafluorophenol), STP (4-Sulfo-2,3,5,6-Tetrafluorophenol, Sodium Salt). Another common application for non-activated carboxylic acid is peptide modification during solid phase synthesis, which usually requires in-situ activation with peptide coupling reagents, for example HATU.

SPECIFICATIONS

Molecular Weight	989.12
Extinction Coefficient	250,000 cm ⁻¹ M ⁻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® 660, CF® 660
Excitation/Emission Maximum	662/690 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

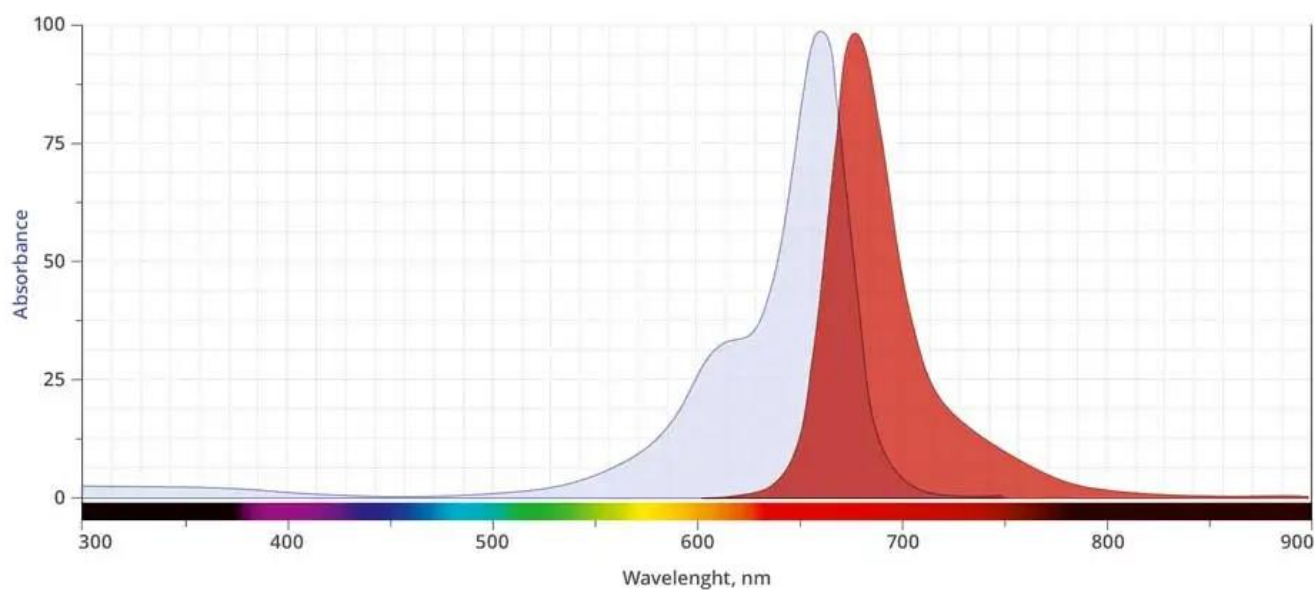
ABS/EM SPECTRA

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

OS(=O)(=O)CCN1C2=CC=C(C(=C2)C(=C3C4=CC=C(C(=C4)S(=O)(=O)O)S(=O)(=O)O)C5=C(C)C(=C6C(=C(C(=C6)N1+)CCS(=O)(=O)[O-])CC(=O)O)S(=O)(=O)O)C3

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AZDye 660 Acid

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