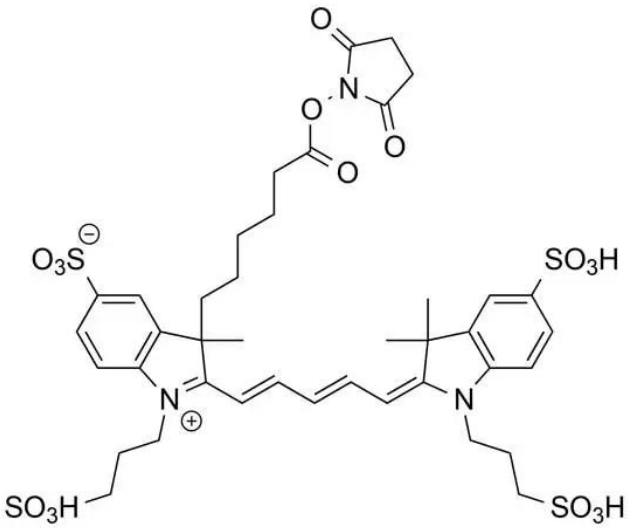
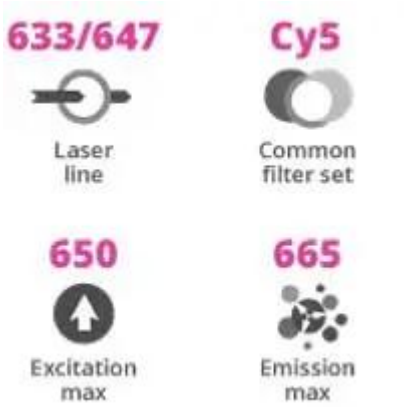
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 647 NHS ESTER

SKU: FP-1121



DESCRIPTION



AZDye™ 647 is a water-soluble, bright, far-red-fluorescent dye with excitation ideally suited for the 633 nm or 647 nm laser lines. A significant advantage to using long wavelength dyes such as Cy5 or AZDye™ 647 dye over other fluorophores is the low autofluorescence of biological

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specimens in this region of the spectrum.

The NHS ester (or succinimidyl ester) is the most popular amine reactive group for labeling with the primary amines of proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules. Proteins can be labeled with AZDye™647 NHS Ester at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection. AZDye™ 647 conjugates are often a probe of choice for detection of low abundance targets.

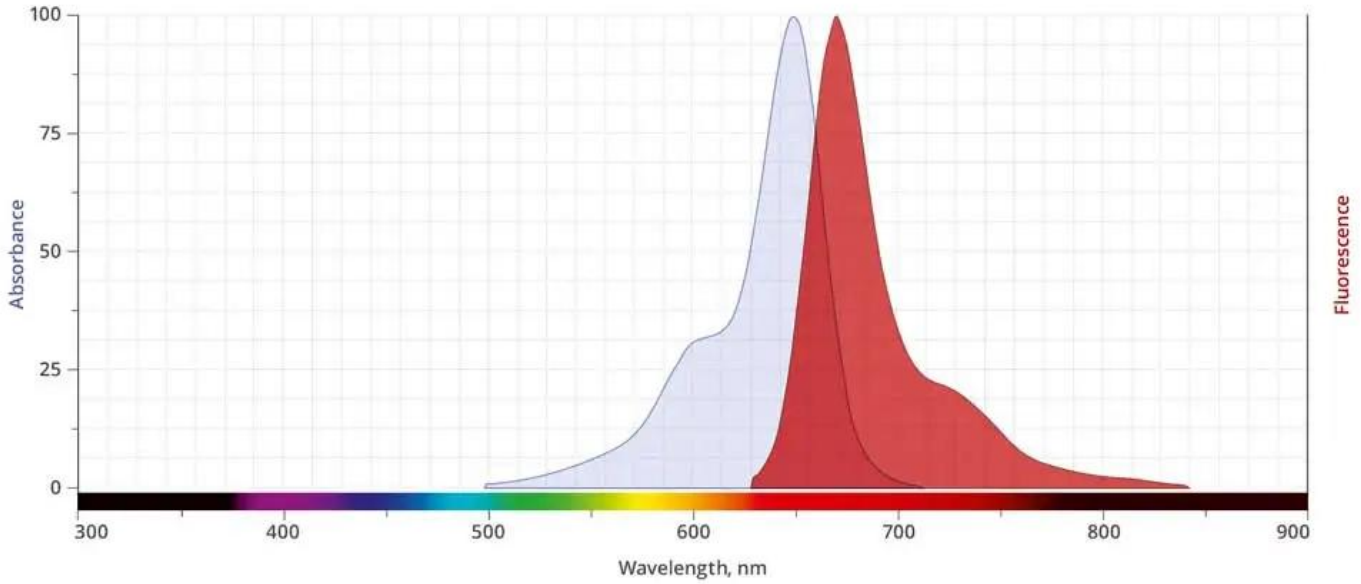
AZDye™ 647 is structurally similar to Alexa Fluor® 647, and spectrally is almost identical to Cy5 Dye, Alexa Fluor® 647, CF® 647 Dye, or any other Cyanine5 based fluorescent dyes.

SPECIFICATIONS

Molecular Weight	1259.66
Molecular Formula	C58H94N6O16S4
Chemical Formula	C58H94N6O16S4
Extinction Coefficient	270,000 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	Cy5, DyLight® 649
Excitation/Emission Maximum	649 nm / 666 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

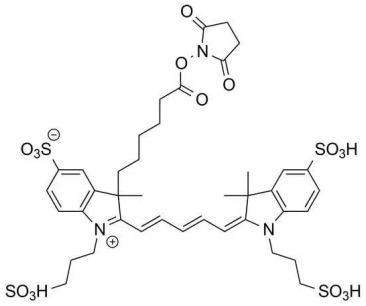
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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