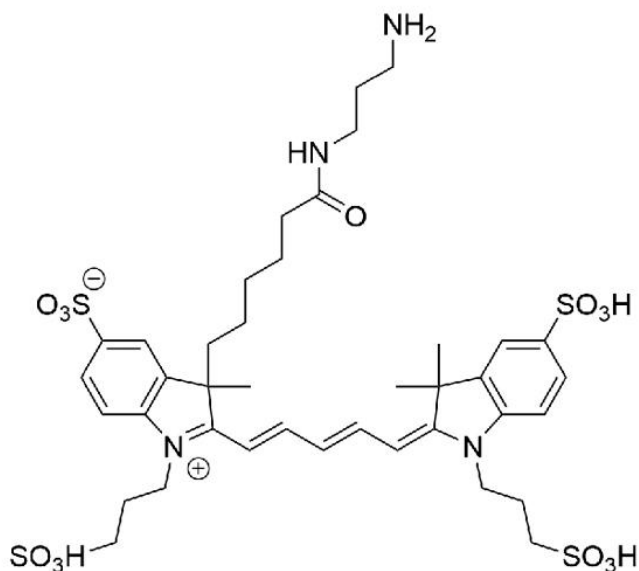




AZDYE 647 AMINE

SKU: FP-1123



DESCRIPTION

633/647



Laser
line

Cy5



Common
filter set

650



Excitation
max

665



Emission
max

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

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



as Cy5 or AZDye™ 647 dye over other fluorophores is the low autofluorescence of biological specimens in this region of the spectrum.

AZDye 647 is a carbonyl reactive building block used to modify carboxylic groups in the presence of activators (e.g. EDC, or DCC) or activated esters (e.g. NHS esters) through a stable amide bond. It also can be employed as a polar tracer, a reactive dye for labeling proteins via a carboxylic acid moiety, and amine donor for enzymatic transamination labeling.

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	915.12 (protonated)
Extinction Coefficient	270,000 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	Cy5, DyLight® 649
Excitation/Emission Maximum	649/671 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

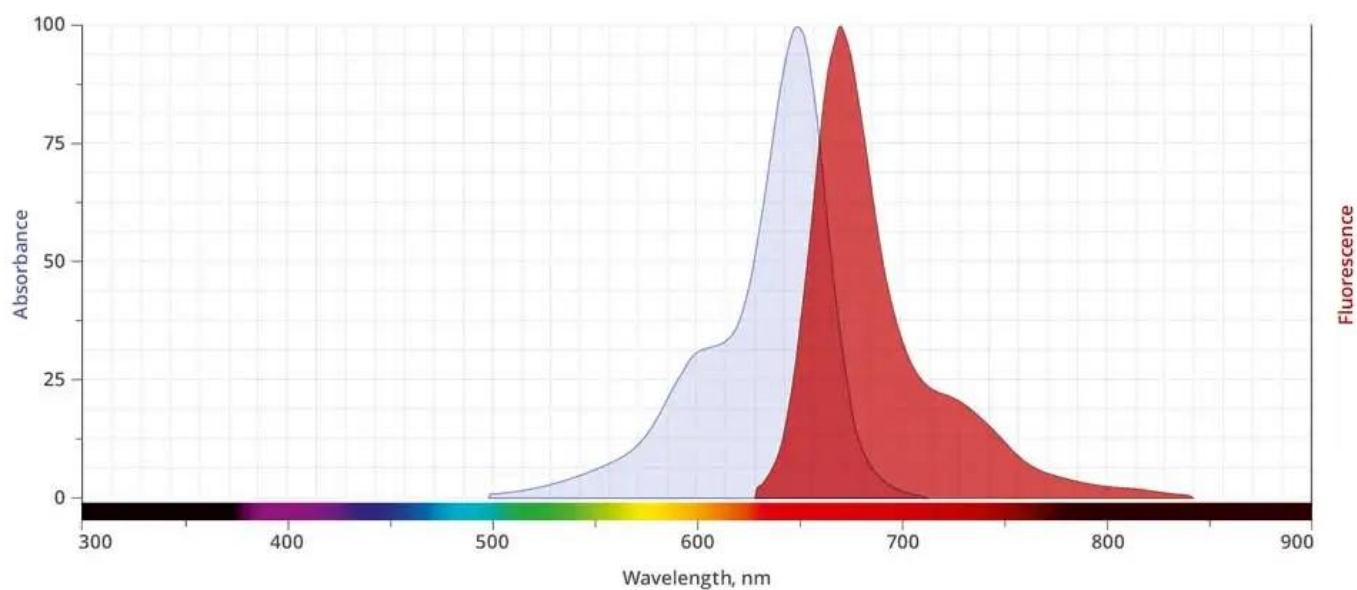
ABS/EM SPECTRA

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



Email: customerservice@vectorlabs.com

Telephone: [\(650\) 697-3600](tel:(650)697-3600)



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

[illegible]

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

AZDye 647 Amine

<https://vectorlabs.com/products/azdye-647-amine/>