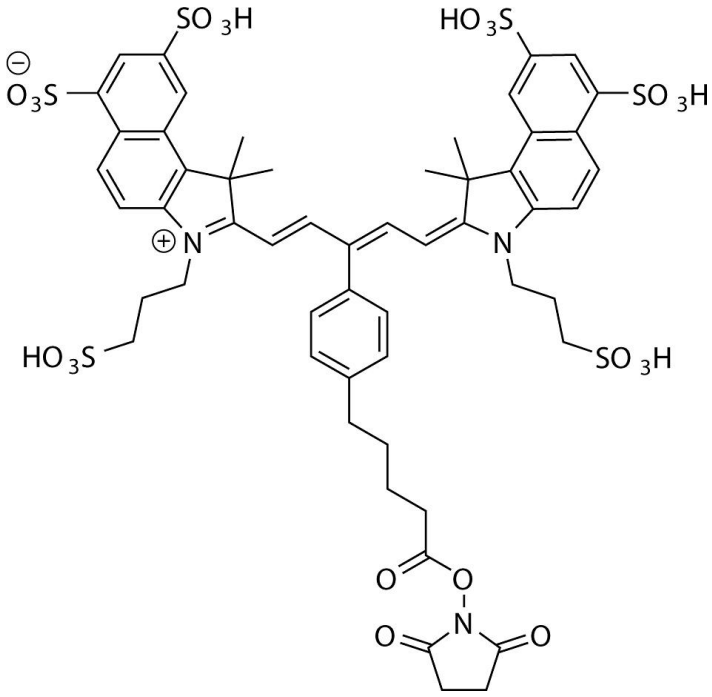
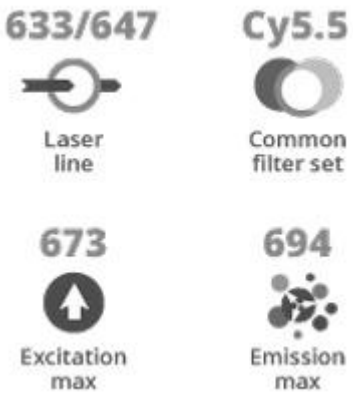
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

IR 680LT NHS ESTER

SKU: FP-1526



DESCRIPTION



IR 680LT (IRDye® 680LT equivalent) is a bright, water-soluble dye that is structurally very

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similar to the commonly used Cy®5.5 Dye. The water solubility, brightness, and self-quenching characteristics of this dye were significantly improved by the introduction of two additional sulfo groups. Far-red fluorescent IR 680 conjugates are spectrally similar to other 680 nm dyes that are used for flow cytometry, microscopy and other applications. Proteins can be labeled with IR 680 at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection.

The NHS ester (succinimidyl ester) is the most popular tool for conjugating this dye to a protein or antibody. NHS esters can be used to label to the primary amines of proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules.

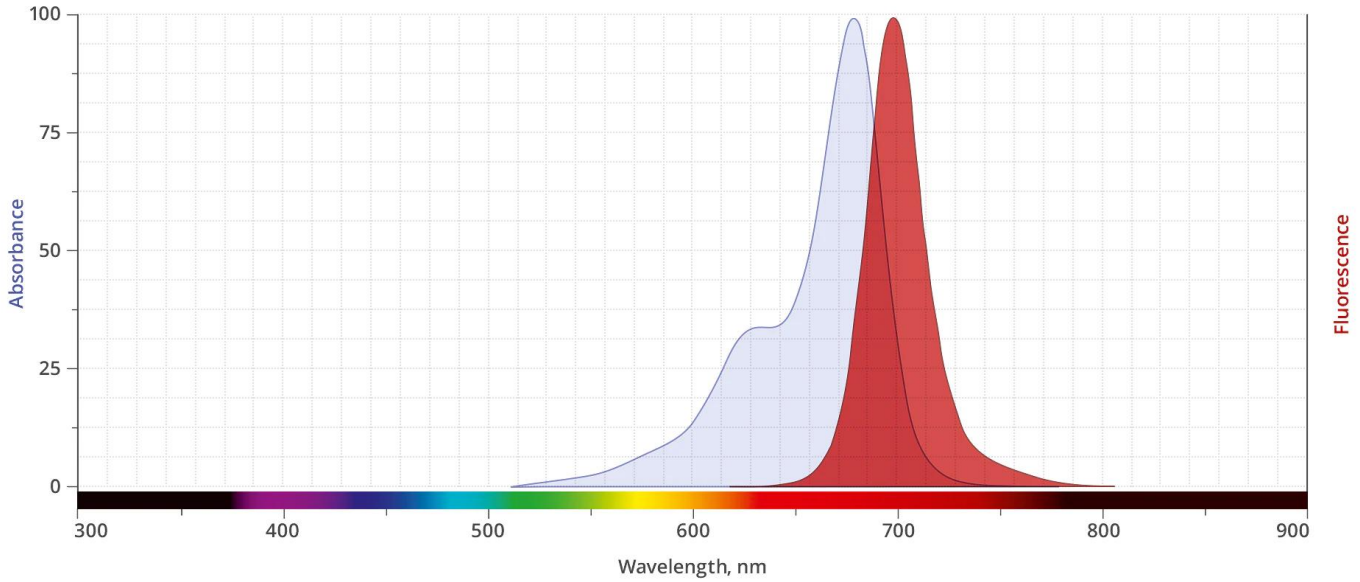
SPECIFICATIONS

Molecular Weight	1292.41
Molecular Formula	C54H57N3O22S6
Chemical Formula	C54H57N3O22S6
Extinction Coefficient	190,000 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	Alexa Fluor® 680, DyLight® 680, IRDye® 680
Excitation/Emission Maximum	675/694 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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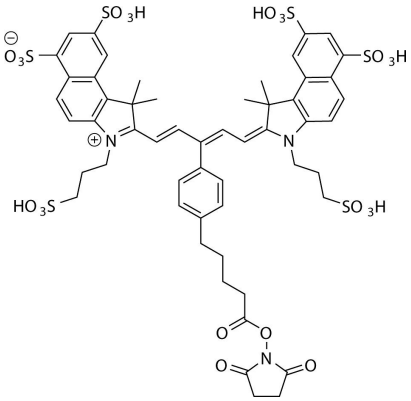
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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