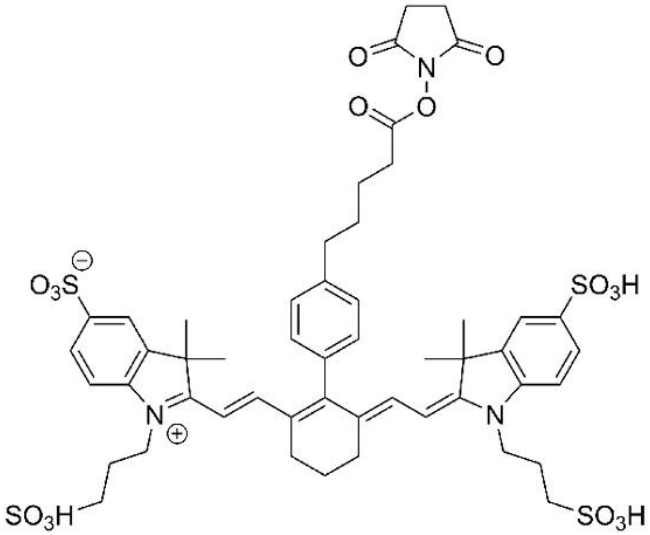
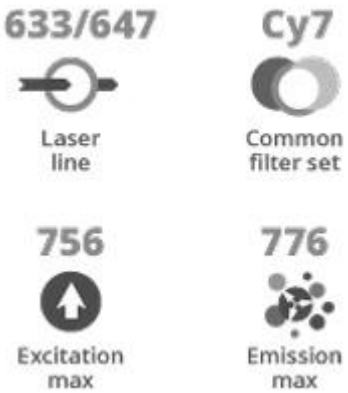
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

CY7 NHS ESTER

SKU: FP-1556



DESCRIPTION



Cy7 NHS Ester (IRDye® 750 NHS Ester analog) is a water-soluble, bright, near-IR fluorescent dye that is spectrally similar to other IR 750 dyes used for flow cytometry, microscopy and other applications. IR 750 conjugates are ideally suited for the 633 nm laser lines or dye-pumped

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laser. A significant advantage to using long wavelength dyes - including Cy7® Dye and Alexa Fluor® 750 dyes - over other fluorophores is the low autofluorescence of biological specimens in this region of the spectrum.

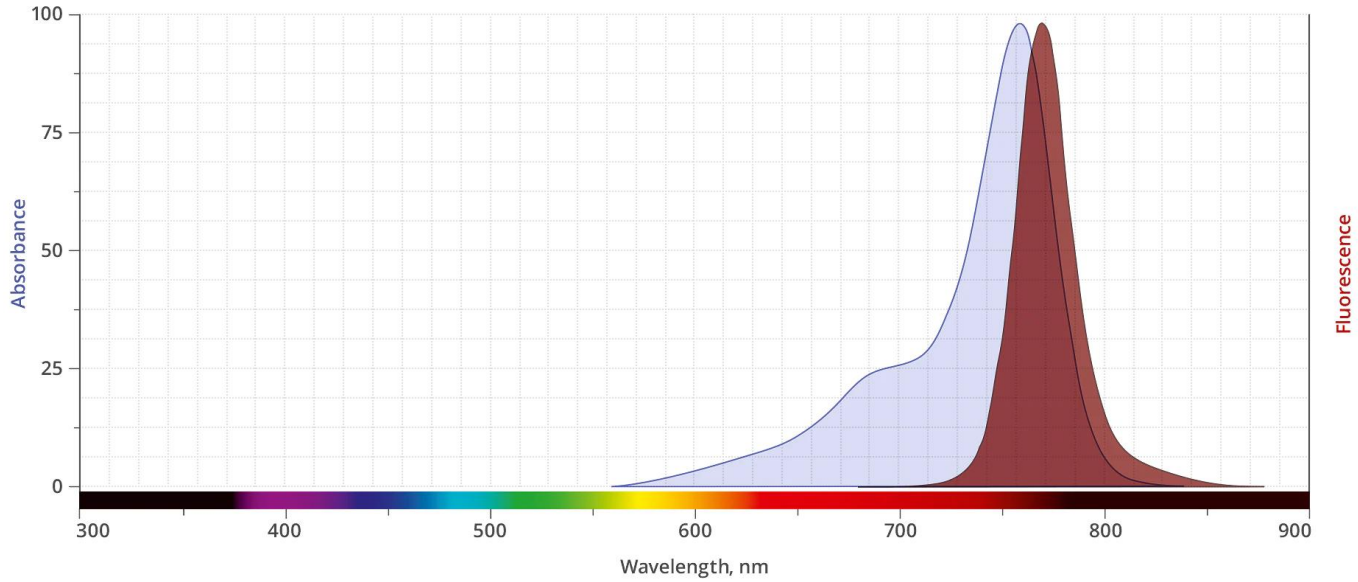
The NHS ester (or succinimidyl ester) is the most popular amine reactive group for labeling with the primary amines of proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules. Proteins can be labeled with Cy7 NHS Ester at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection. Cy7 conjugates are pH-insensitive over a wide molar range, helping ensure that researchers obtain stable signals in imaging and flow cytometry applications.

SPECIFICATIONS

Molecular Weight	1098.28
Extinction Coefficient	270,000 cm-1M-1
Reactivity	Primary amine
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Cy7, Alexa Fluor® 750, IRDye® 750
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

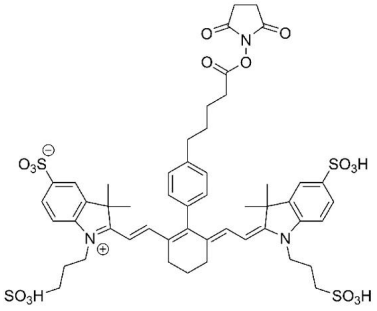
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DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES



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