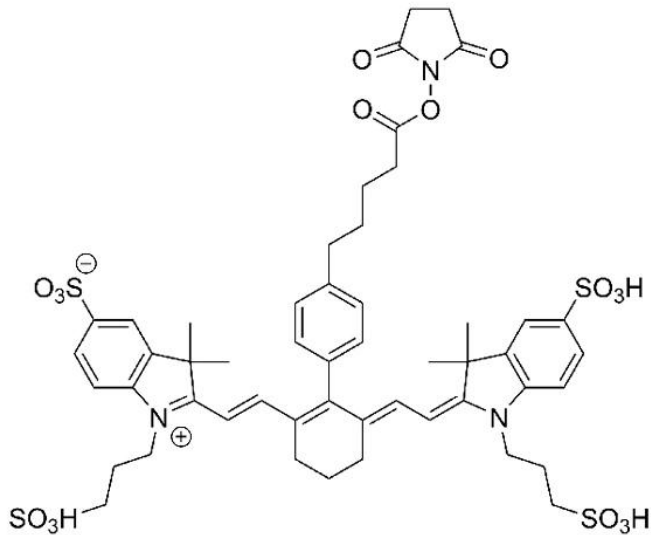




CY7 NHS ESTER

SKU: FP-1556



DESCRIPTION

633/647



Laser
line

Cy7



Common
filter set

756



Excitation
max

776



Emission
max

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

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



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.

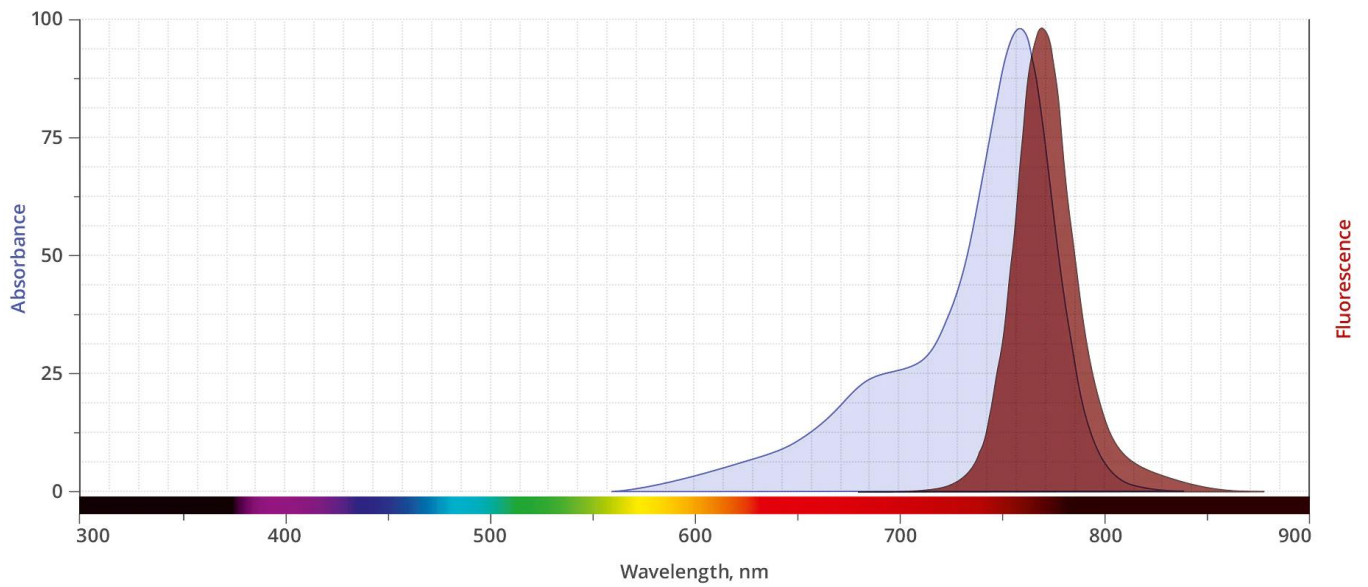
The NHS ester (or succinimidyl ester) is the most popular amine reactive group for labeling with the primary amines of proteins (Lys), amine-modified oligonucleotides, and other amine-containing molecules. Proteins can be labeled with Cy7 NHS Ester at high molar ratios without significant self-quenching, 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 ⁻¹ M ⁻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

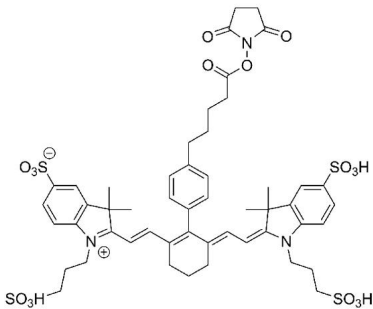
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



DOCUMENTS

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

GALLERY IMAGES



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