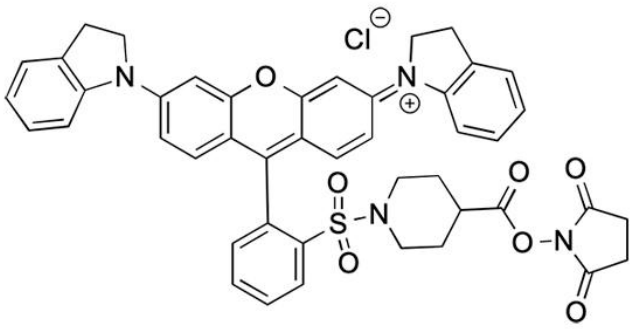
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

SY-21 NHS ESTER

SKU: FP-1712



DESCRIPTION

SY-21NHS Ester (QSY®-21 succinimidyl ester equivalent) is a nonfluorescent acceptor dye often used for preparation of peptide and oligonucleotide FRET probes. A broad and intense quenching range from 580 nm to 680 nm makes it useful as an acceptor in fluorescence resonance energy transfer (FRET) applications in conjunction with fluorescent dyes at 580 nm to 680 nm, such as Fluorescein, Alexa Fluor® 568, 594, 633, 647, TAMRA, ROX, Texas Red and Cy5.

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. The labeling occurs most efficiently at pH 7-9 and forms a stable, covalent amide bond.

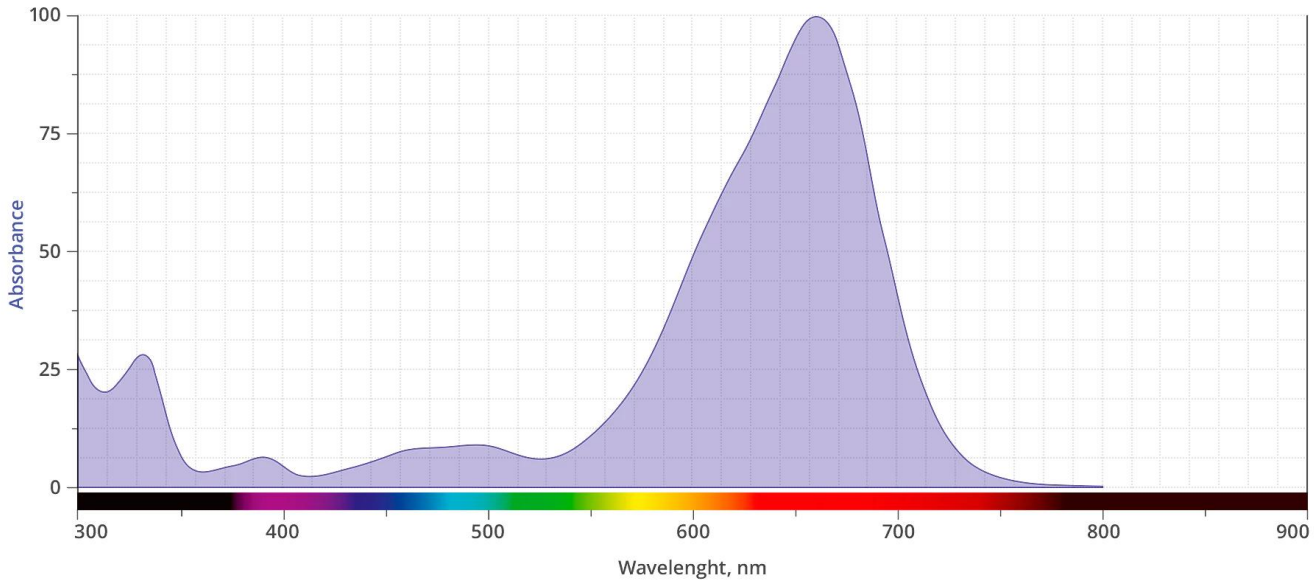
SPECIFICATIONS

Molecular Weight	815.34
Extinction Coefficient	90,000 cm-1M-1
Reactivity	Primary amine
Unit Size	5 mg, 25 mg, 100 mg

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

Solubility	DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 568, 594, 633, 647, TAMRA, ROX, Texas Red, Cy5.
Excitation/Emission Maximum	661 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



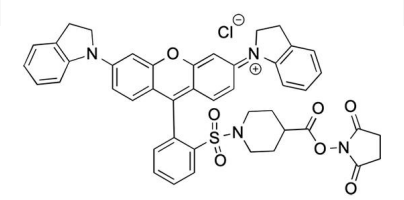
DOCUMENTS

- Safety Data Sheet
- Datasheet

GALLERY IMAGES

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