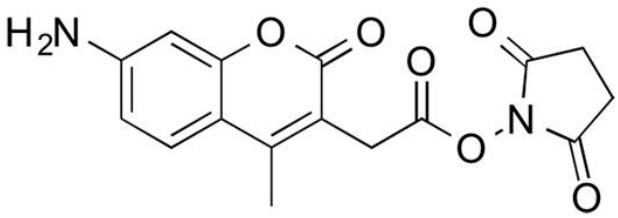
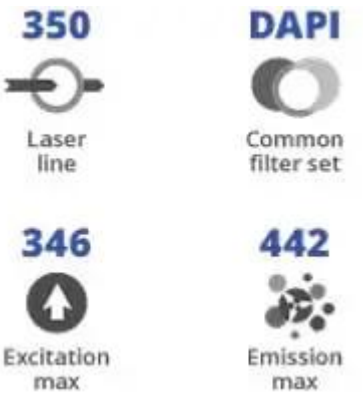
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AMCA NHS ESTER

SKU: FP-1236



DESCRIPTION



AMCA NHS Ester (succinimydyl-7-amino-4-methylcoumarin-3-acetic acid) is one of the most popular blue fluorescent tagging molecules. It is widely used to label antibodies, proteins and small drug molecules. Often used as contrasting probes for double- and triple-labeling in immunofluorescence microscopy, arrays and in situ hybridization. The desirable properties of AMCA dyes include a relatively large Stoke's shift and resistance to photobleaching.

AMCA NHS Ester reacts specifically and efficiently with a primary amine (e.g., side chain of lysine residues or aminosilane-coated surfaces) at pH 7-9 to form a stable, covalent amide bond. The NHS ester (or succinimidyl ester) is the most popular tool for conjugating dyes to the primary amines of protein or antibody (Lys), amine-modified oligonucleotides, and other amine-containing molecules.

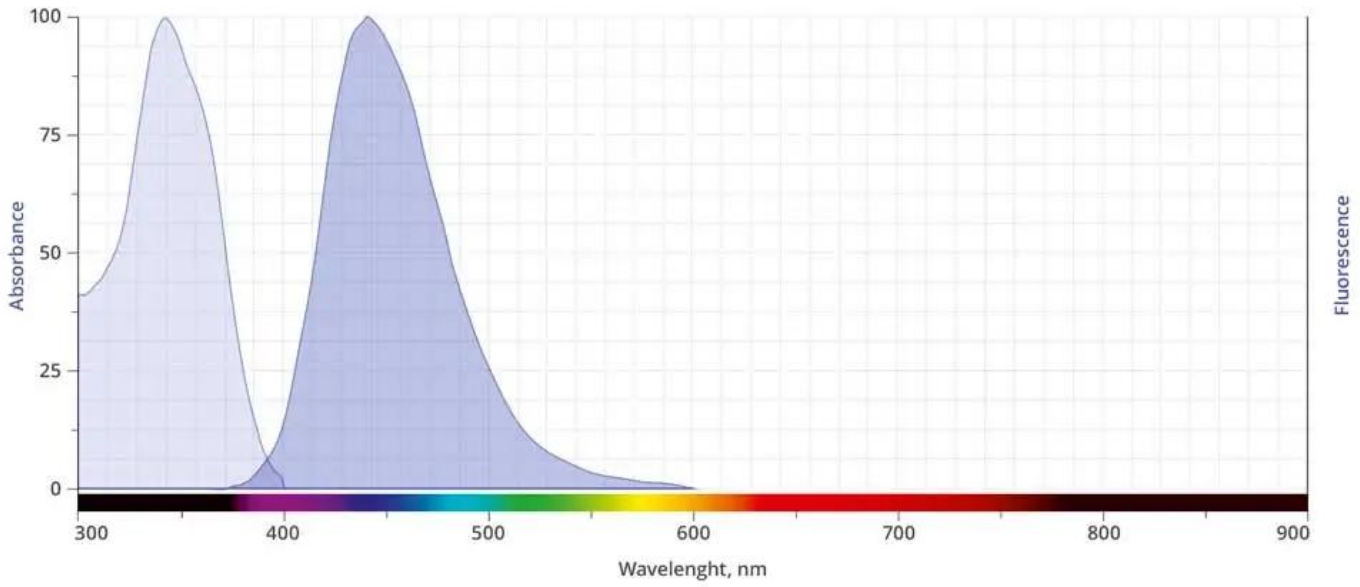
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SPECIFICATIONS

Molecular Weight	330.3
Extinction Coefficient	19,000 cm-1M-1
Reactivity	Primary amines
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 350, AMCA, DyLight® 350
Excitation/Emission Maximum	345/450 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



DOCUMENTS

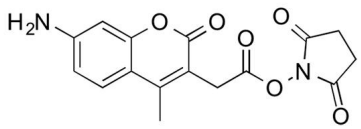
- Safety Data Sheet

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- Datasheet

GALLERY IMAGES



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