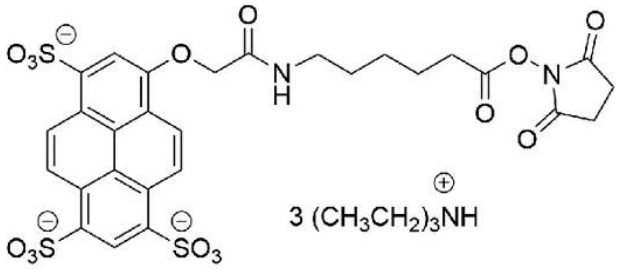
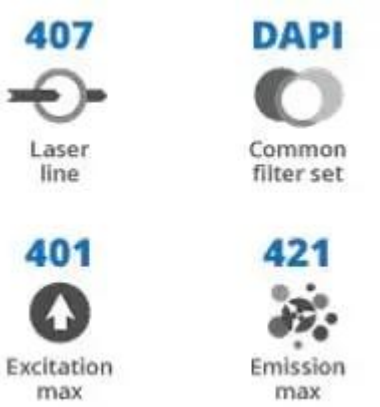
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 405 NHS ESTER

SKU: FP-1061



DESCRIPTION



AZDye™ 405 NHS Ester is a water-soluble, blue-fluorescent dye that is often used in multi-color applications, including flow cytometry and super-resolution microscopy using STORM. Its excitation is ideally suited for the 407 nm spectral line of the krypton laser or the 408 nm violet laser diode. AZDye™ 405 conjugates are pH-insensitive from pH 4 to pH 10.

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 AZDye™ 405 NHS Ester at high molar ratios without significant self-quenching, leading to brighter conjugates and more sensitive detection.

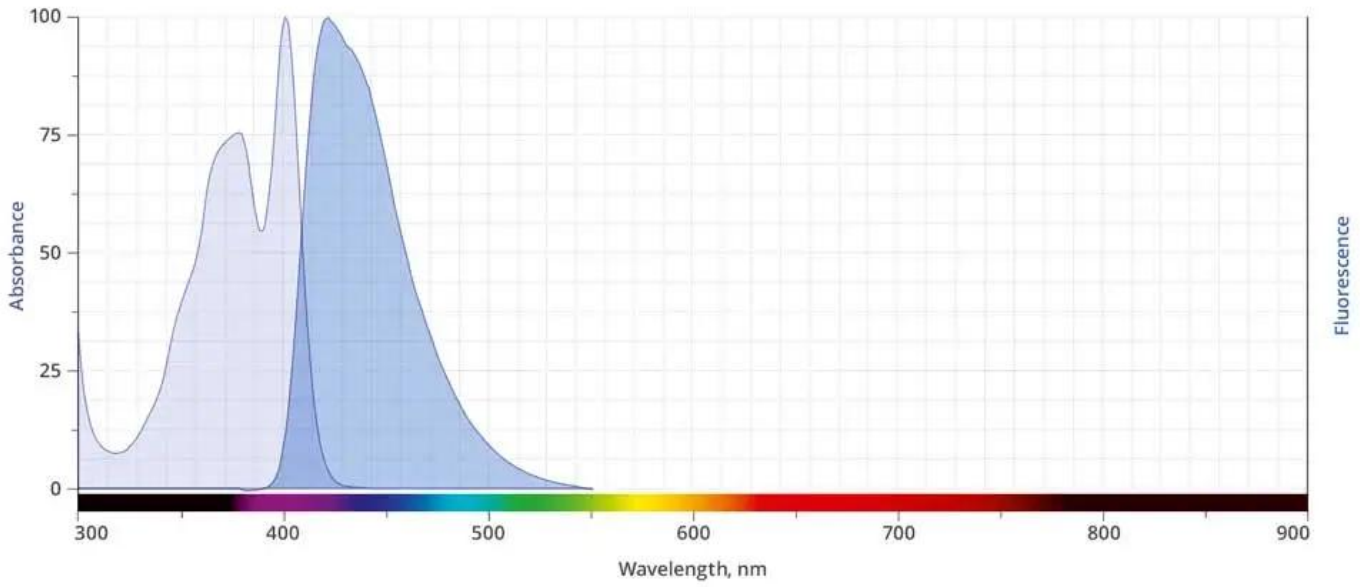
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SPECIFICATIONS

Molecular Weight	726.05 (protonated)
Extinction Coefficient	33,000 cm-1M-1
Reactivity	Primary amines
Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 405, DyLight® 405, Cascade Blue
Excitation/Emission Maximum	402/424 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



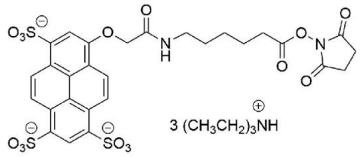
DOCUMENTS

- Safety Data Sheet

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

- Datasheet

GALLERY IMAGES



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