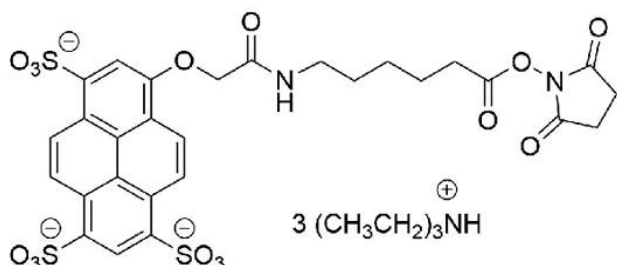




AZDYE 405 NHS ESTER

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.

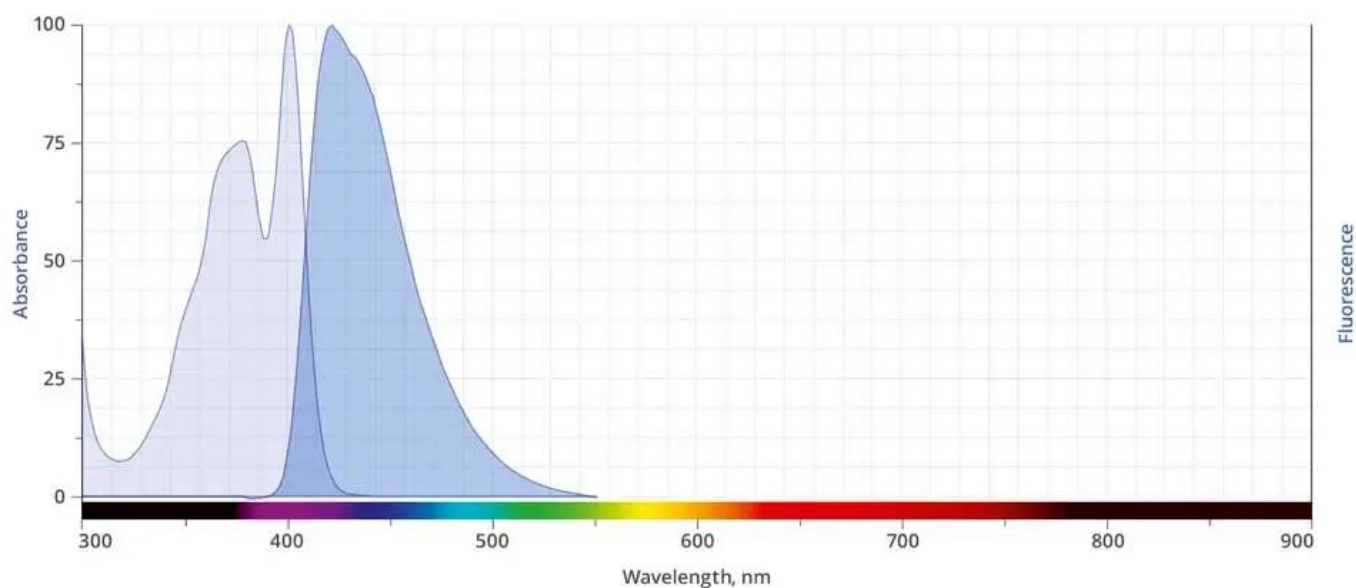
For research use only. Not intended for therapeutic or diagnostic use in animals or humans.



SPECIFICATIONS

Molecular Weight	726.05 (protonated)
Extinction Coefficient	33,000 cm ⁻¹ M ⁻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

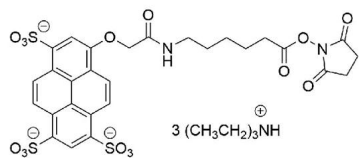
- [Safety Data Sheet](#)

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.