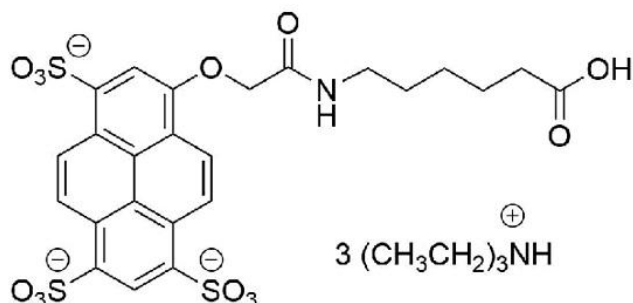




AZDYE 405 ACID

SKU: FP-1060



DESCRIPTION



AZDye™ 405 Acid 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 carboxylic acid of AZDye™ 405 is a reagent of choice for the preparation of custom activated esters that often are not commercially available. Examples of such activated esters include sulfo-NHS, TFP (2,3,5,6-Tetrafluorophenol), and STP (4-Sulfo-2,3,5,6-Tetrafluorophenol, Sodium Salt). Another common application for the non-activated carboxylic acid is peptide

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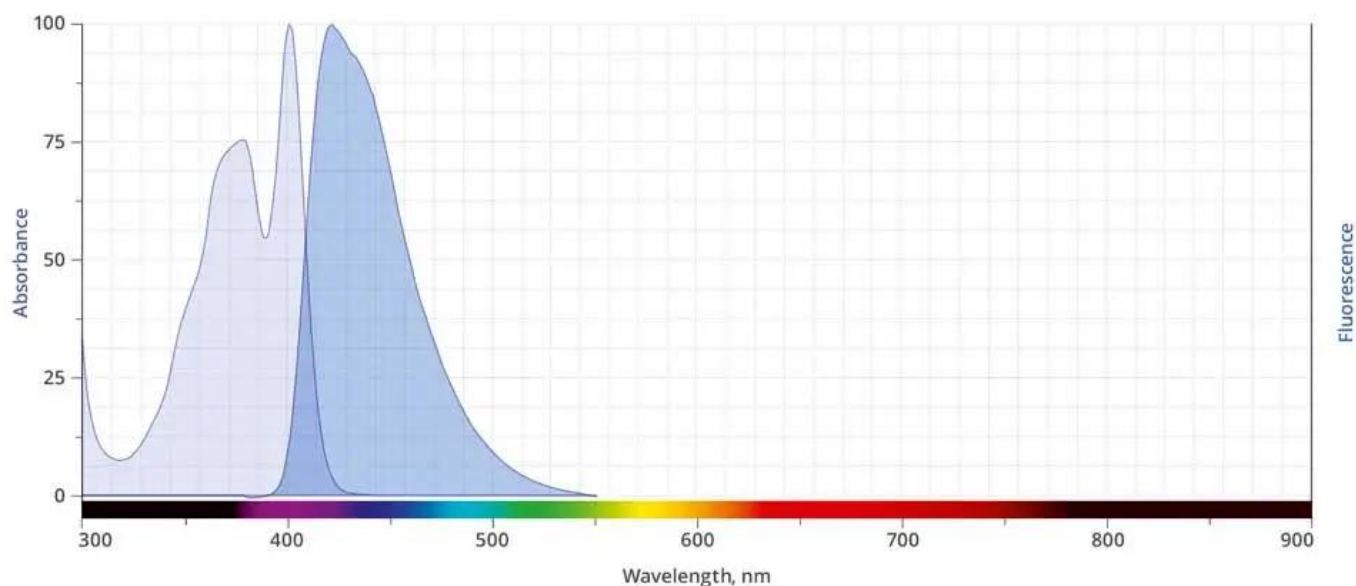


modification during solid phase synthesis, which usually requires in-situ activation with peptide coupling reagents, e.g. HATU. AZDye™ 405 Acid is also often used for control experiments, and for calibration.

SPECIFICATIONS

Molecular Weight	629.62 (protonated)
Extinction Coefficient	35,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amines (requires activation)
Unit Size	5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 405, DyLight® 405, Cascade Blue, CF® 405
Excitation/Emission Maximum	402/424 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA



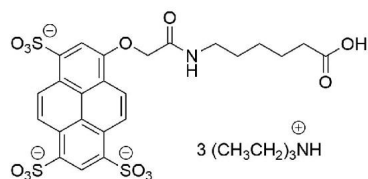
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DOCUMENTS

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

GALLERY IMAGES



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