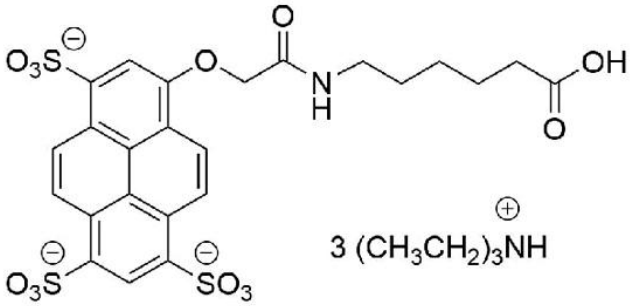
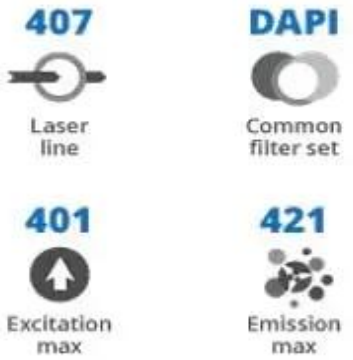
www.vectorlabs.com
Email: customerservice@vectorlabs.com
Telephone: (650) 697-3600

AZDYE 405 ACID

SKU: FP-1060



Description

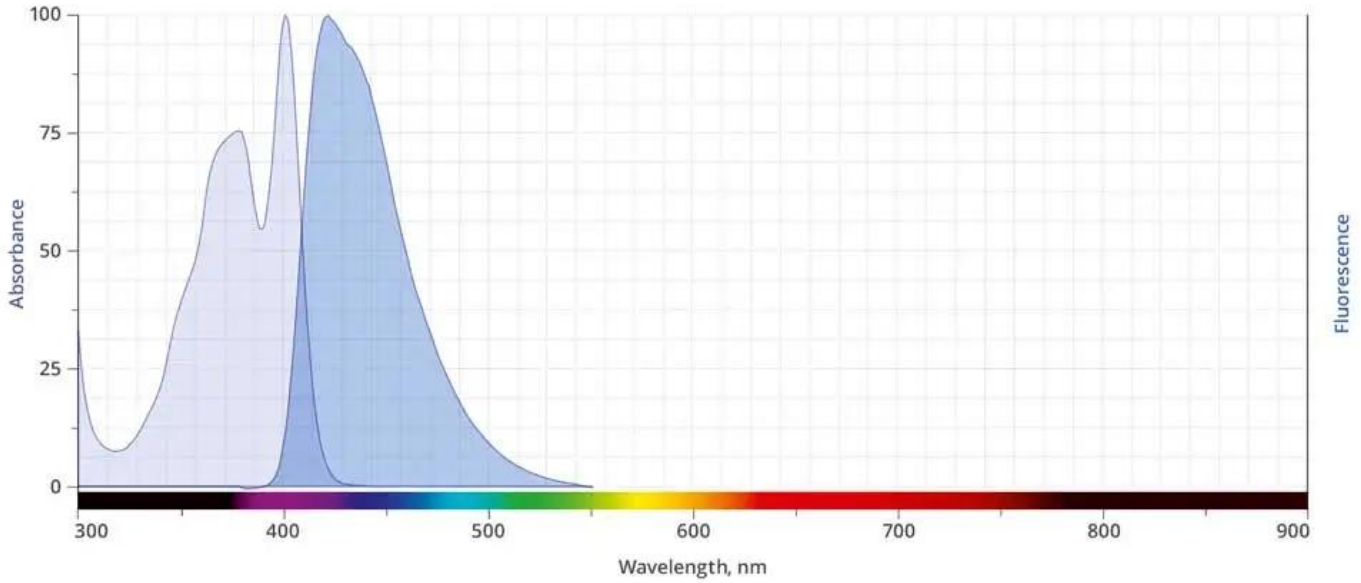


AZDye™ 405 Acid is a water-soluble, blue-fluorescent dye that is often used in multi-color applications, including flow cytometry and super-resolution microscopy using STORM. Its excitation is ideally suited for the 407 nm spectral line of the krypton laser or the 408 nm violet laser diode. AZDye™ 405 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 modification during solid phase synthesis, which usually requires in-situ activation with peptide coupling regents, e.g. HATU. AZDye™ 405 Acid is also often used for control experiments, and for calibration.

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

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



Abs/Em Spectra

Specifications

Unit Size	5 mg, 25 mg, 100 mg
Reactivity	Primary amines (requires activation)
Abs/Em Maxima	402/424 nm
Extinction coefficient	35,000 cm-1M-1
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Alexa Fluor® 405, DyLight® 405, Cascade Blue, CF® 405
Molecular weight	629.62 (protonated)
Storage Conditions	-20°C.
Shipping Conditions	Ambient temperature
