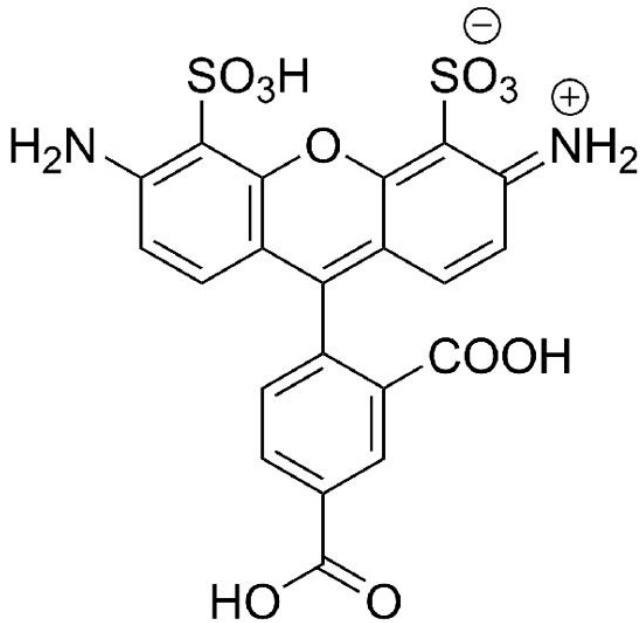




AZDYE 488 ACID

SKU: FP-1012



DESCRIPTION



488

Laser
line

Fitc



Common
filter set

490



Excitation
max

525



Emission
max

AZDye™ 488 is a water-soluble, highly photostable dye with a very high fluorescence quantum yield. AZDye™ 488 is green-emitting dye with excitation ideally

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suited for the 488 nm line. Its fluorescence is pH independent from pH 4 to pH 10.

AZDye™ 488 Acid often used 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 reagents, e.g. HATU.

SPECIFICATIONS

Molecular Weight	838.05
Molecular Formula	C ₃₉ H ₅₉ N ₅ O ₁₁ S ₂
Chemical Formula	C ₃₉ H ₅₉ N ₅ O ₁₁ S ₂
Extinction Coefficient	73,000 cm ⁻¹ M ⁻¹
Reactivity	Primary amines
Unit Size	5 mg, 25 mg, 100 mg
Solubility	Water, DMSO, DMF
Storage Instructions	-20°C.
Spectrally Similar Dyes	Alexa Fluor® 488, DyLight® 488, Fluorescein, Oregon Green 488
Excitation/Emission Maximum	494 nm / 517 nm
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

ABS/EM SPECTRA

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