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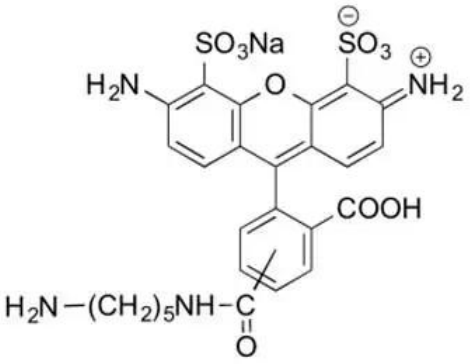
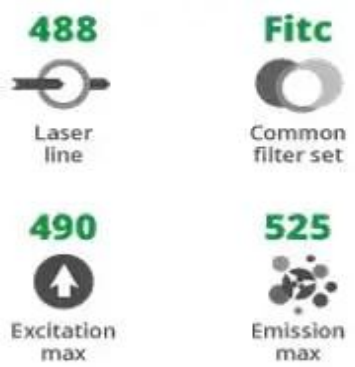
AZDYE 488 CADAVERINE

SKU: FP-1015



Description



AZDye™ 488 Cadaverine is a carbonyl reactive building block used to modify carboxylic groups in the presence of activators (e.g. EDC or DCC) or activated esters (e.g. NHS esters) through a stable amide bond. It also can be employed as a polar tracer and as a reactive dye for labeling proteins via a carboxylic acid moiety.

AZDye™ 488 is a water-soluble, bright, green-fluorescent dye with excitation ideally suited to the 488 nm laser line. Its green fluorescence is pH independent from pH 4 to pH 10. AZDye™ 488 can be conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates which are often used for generation of stable signals in imaging and flow cytometry.

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

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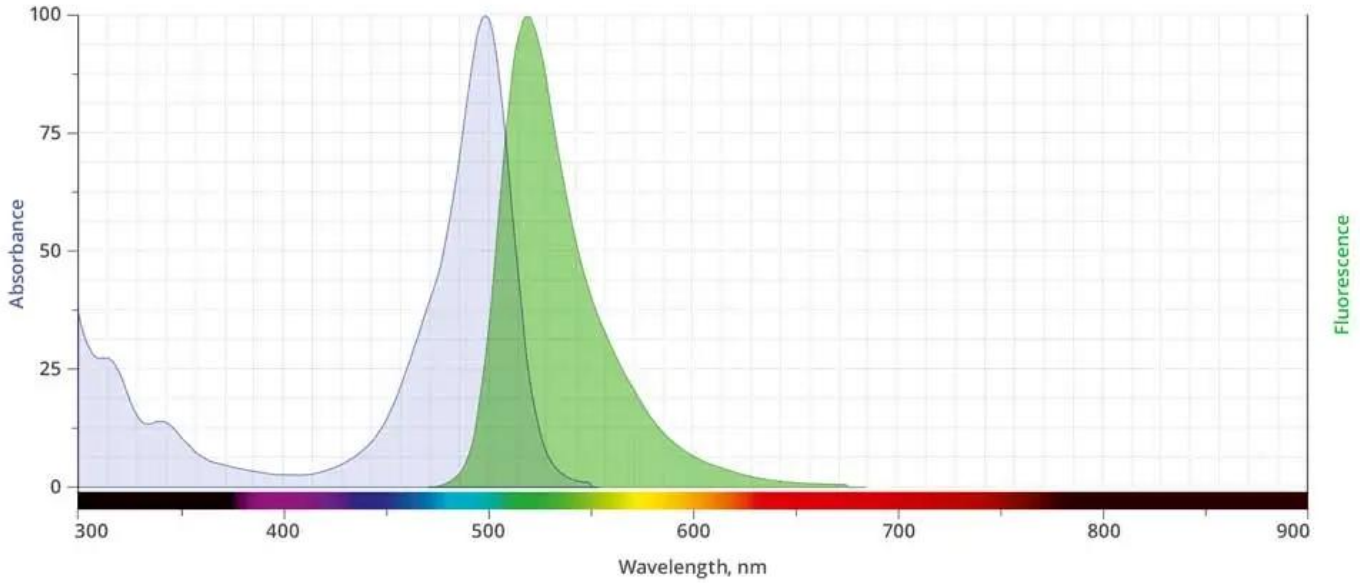
AZDye™ 488 Cadaverine is structurally identical to Alexa Fluor® 488 Cadaverine. Its absorption/emission spectra is a perfect match to spectra of many other fluorescent dyes based on sulfonated rhodamine 110 core, including CF®488 Dye, DyLight® 488 and Alexa Fluor® 488.



Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg, 100 mg
Reactivity	Aldehydes, carboxylic acid, ketones
Abs/Em Maxima	494/517 nm
Extinction coefficient	73,000 cm-1M-1
Solubility	Water, DMSO, DMF
Spectrally similar dyes	Alexa Fluor® 488, DyLight® 488, Fluorescein, Oregon Green 488
Molecular weight	618.63 (protonated)
Storage Conditions	-20°C.
