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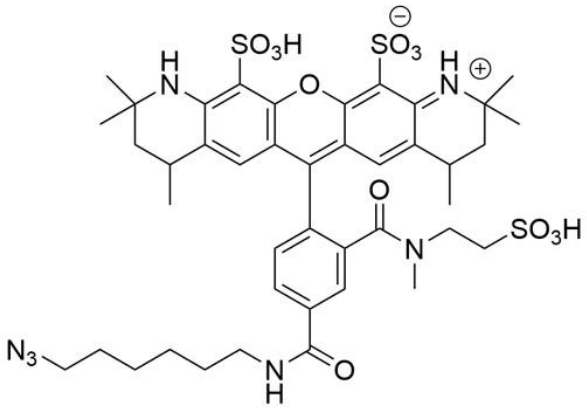
AZDYE 546 AZIDE

SKU: CCT-1283



Description

AZDye™ 546 Azide is a bright, orange-fluorescent dye that reacts with terminal alkynes via a copper-catalyzed click reaction (CuAAC) to form a stable triazole linker. It also reacts with strained cyclooctyne via a copper-free click chemistry reaction to form a stable triazole and does not require Cu-catalyst or elevated temperatures.

AZDye™ 546 is water-soluble, and pH-insensitive from pH 4 to pH 10 orange-fluorescent dye with absorption and emission maxima at 554 and 570 nm, respectively. It can be used with the 488 nm and 532 nm laser lines. AZDye™ 546 dye conjugated to a variety of antibodies, peptides, proteins, tracers, and amplification substrates often used for generation of stable signal in imaging and flow cytometry.

For research use only. Not intended for animal or human therapeutic or diagnostic use.

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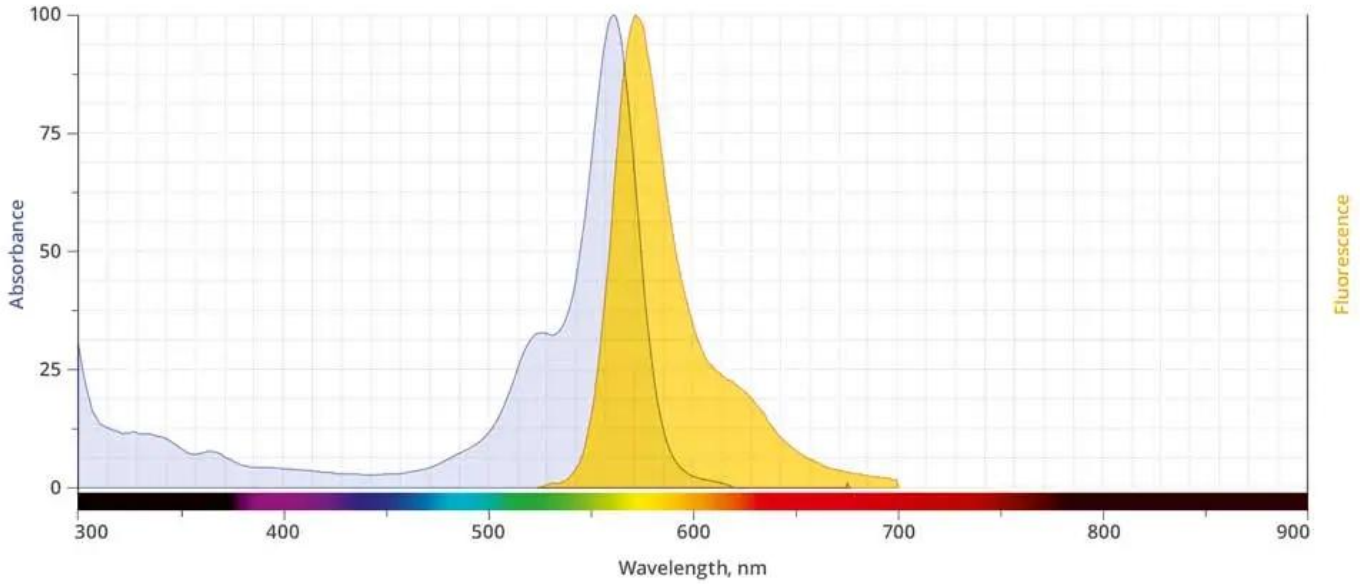

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	554/570 nm
Extinction Coefficient	110,000
Flow Cytometry Laser Line	532 nm
Microscopy Laser Line	543 nm or 546 nm
Spectrally Similar Dyes	Alexa Fluor® 546, Atto™ 546, CF® 546
Molecular weight	944.10 (protonated)
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Red solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature