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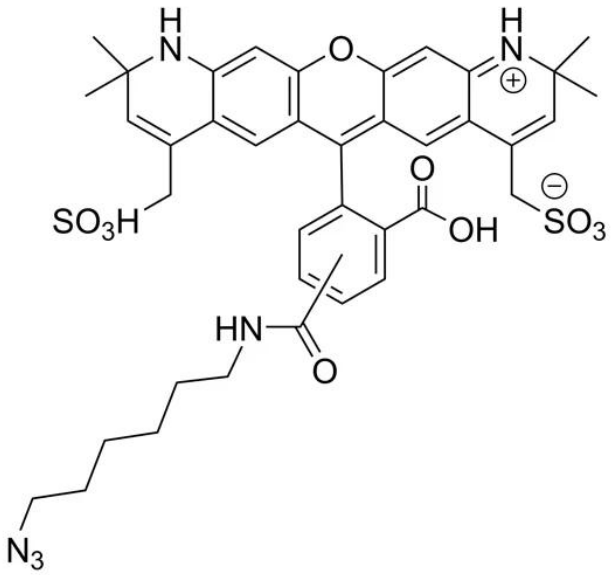
AZDYE 568 AZIDE

SKU: CCT-1291



Description

AZDye™ 568 Azide is a bright, red-fluorescent azide-activated probe that reacts with terminal alkynes via a copper-catalyzed click reaction (CuAAC). 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 568™ is a bright, and highly photostable, orange-fluorescent probe optimally excited by the 568 nm laser line on the Ar-Kr mixed-gas laser. This probe is water-soluble and its fluorescence is pH independent over a wide pH range. The brightness and photostability of this dye are best suited to direct imaging of low-abundance targets. AZDye™ 568 dye structurally is identical to Alexa Fluor® 568 Dye Its absorption/emission spectra is a perfect match to spectra of many other fluorescent dyes based on sulfonated rhodamine core, including CF® 568 Dye and Alexa Fluor® 568.

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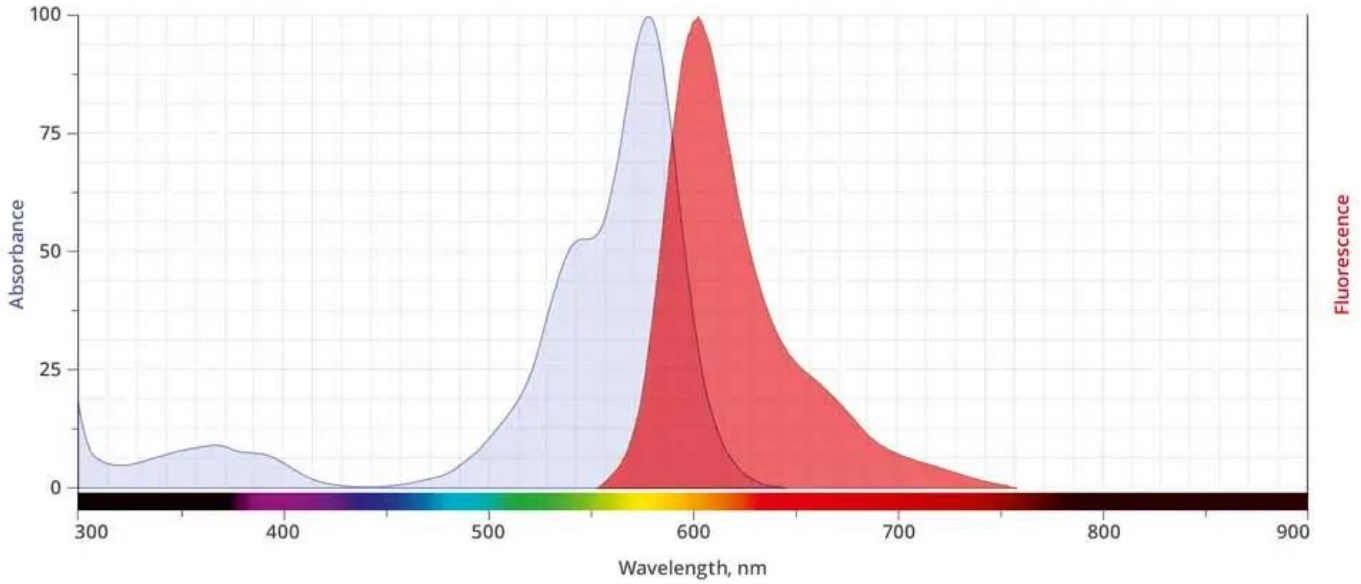

Abs/Em Spectra

Specifications

Unit Size	1 mg, 5 mg, 25 mg
Abs/Em Maxima	578/602 nm
Extinction Coefficient	88,000
Flow Cytometry Laser Line	532 nm or 568 nm
Microscopy Laser Line	532 nm or 568 nm
Spectrally Similar Dyes	Alexa Fluor® 568, CF® 568
Molecular weight	818.92
CAS	N/A
Solubility	Water, DMSO, DMF
Purity	>95% (HPLC)
Appearance	Blue solid
Storage Conditions	-20°C. Desiccate
Shipping Conditions	Ambient temperature
