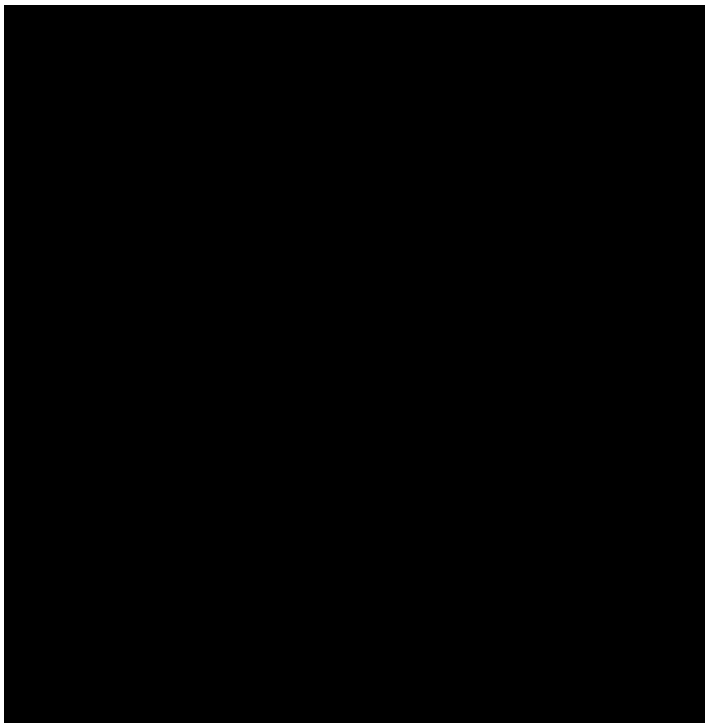
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Telephone: (650) 697-3600

AZDYE 488 TCO

SKU: CCT-1356



DESCRIPTION

AZDye™ 488 TCO reacts with tetrazines to produce a stable, covalent linkage, also referred to as the inverse-electron demand Diels-Alder cycloaddition reaction. This reaction is extremely fast (k > 800 M -1 s-1), selective, biocompatible, and does not require Cu-catalyst or elevated temperatures. Such excellent reaction rate constants are unparalleled by any other bioorthogonal reaction pair described to date.

AZDye™ 488 is a bright, and highly photostable, green-fluorescent probe optimally excited by the 488 nm laser line. This probe is water-soluble and its fluorescence is pH independent over a wide pH range. The brightness and photostability of blue dyes are best suited to direct imaging of low-abundance targets.

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

DyLight® and Alexa Fluor® are a registered trademark of Thermo Fisher Scientific. Click Chemistry Tools is not affiliated with or endorsed by Thermo Fisher Scientific. AZDye™ 488 is NOT manufactured, distributed, or affiliated in any way with Thermo Fisher Scientific.

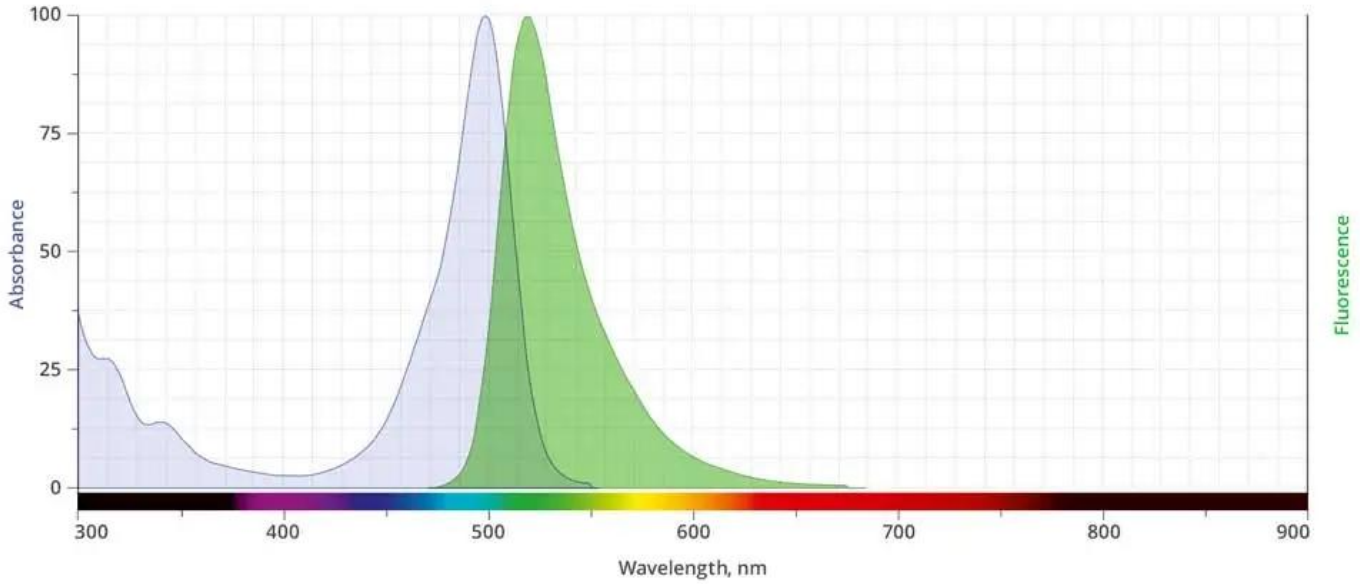
SPECIFICATIONS

CAS Number	N/A
Molecular Weight	770.82
Appearance	Orange solid
Extinction Coefficient	73,000
Purity	>95% (HPLC)
Unit Size	1 mg, 5 mg, 25 mg
Solubility	Water, DMSO, DMF, MeOH
Storage Instructions	-20°C. Desiccate
Spectrally Similar Dyes	Alexa Fluor® 488, Atto™ 488, CF® 488 Dye, DyLight® 488, FITC
Shipping Conditions	Dry ice
Shipping Instructions	Dry ice

ABS/EM SPECTRA

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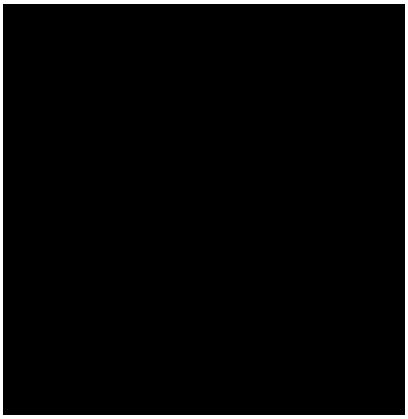
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DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

GALLERY IMAGES



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