

**XFD488 tetrazine \*Same Structure to Alexa Fluor™ 488 tetrazine\***Catalog number: 4600  
Unit size: 1 mg**Product Details**

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Storage Conditions	Freeze (<-15 °C), Minimize light exposure
Expiration Date	12 months upon receiving

**Chemical Properties**

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Appearance	Dark red Solid
Molecular Weight	717.68
Soluble In	DMSO

**Spectral Properties**

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Excitation Wavelength	499 nm
Emission Wavelength	520 nm

**Applications**

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XFD488 is manufactured by AAT Bioquest, and it has the same chemical structure of Alexa Fluor® 488 (Alexa Fluor® is the trademark of ThermoFisher). XFD488 is a bright, green-fluorescent dye with excitation ideally suited for the 488 nm laser line. It is used for stable signal generation in imaging and flow cytometry. XFD488 tetrazine demonstrates exceptionally fast reaction with trans-cyclooctenes (TCO) as the dienophile, the fastest kinetics ever reported for any biorthogonal reaction. It provides a convenient tool for making biological conjugates with TCO-modified substrates. The resulted conjugates provide the bright, green fluorescence of XFD488.