

XFD488 TCO

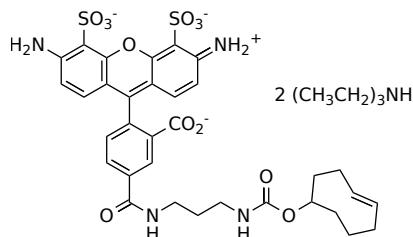
Catalog Number: 4601
Unit Size: 1 mg

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 | Solid orange-red |
| Molecular Weight | 945.16 |
| Soluble In | DMSO |
| Chemical Structure | |



Spectral Properties

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|-----------------------|--------|
| Excitation Wavelength | 499 nm |
| Emission Wavelength | 520 nm |

Applications

XFD488 contains the same fluorophore of Alexa Fluor® 488. It 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. AF488 TCO demonstrates exceptionally fast reaction with tetrazines, the fastest kinetics ever reported for any biorthogonal reaction. It provides a convenient tool for making biological conjugates with tetrazine-modified substrates. The resulted conjugates provide the bright, green fluorescence of Alexa Fluor® 488 (Alexa Fluor® is the trademark of ThermoFisher Scientific).