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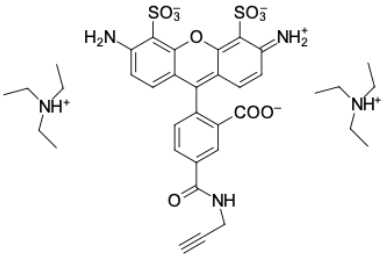
AF 488 alkyne

http://www.lumiprobe.com/p/af-488-alkyne-5

Alkyne derivative of AF 488 dye for copper-catalyzed cycloaddition to azides (CuAAC). AF 488 alkyne is used for fluorescent labeling of azidated biomolecules, polymers, and surfaces. AF 488 is sulfonated rhodamine, a bright, photostable, and hydrophilic fluorophore that emits in the green channel (absorption max. is at 495 nm, emission max. is at 519 nm).



Structure of AF 488 alkyne, 5-isomer

General properties

Appearance:	orange solid
Molecular weight:	647.72
Molecular formula:	$C_{24}H_{15}K_2N_3O_{10}S_2$
Quality control:	NMR ^1H and HPLC-MS (95+%)
Storage conditions:	24 months after receival at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. Avoid prolonged exposure to light.
Legal statement:	This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm:	495
ε, $L \cdot mol^{-1} \cdot cm^{-1}$:	71800
Emission maximum, nm:	519
Fluorescence quantum yield:	0.91
CF_{260}:	0.16
CF_{280}:	0.10