

Lumiprobe Corporation

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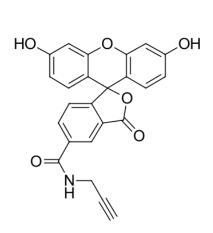
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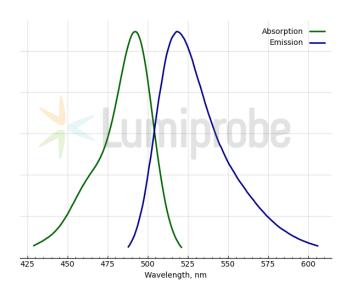
FAM alkyne, 5-isomer

http://www.lumiprobe.com/p/fam-alkyne-5

FAM (fluorescein) alkyne for copper-catalyzed click chemistry, high purity (97+%) 5-isomer. The compound possesses significant aqueous solubility.



Structure of 5-FAM alkyne



Absorbance and emission spectra of FAM

General properties

Appearance: yellow solid Molecular weight: 413.38 CAS number: 510758-19-7 Molecular formula: $C_{24}H_{15}O_6N$

Solubility: good in aqueous buffers (pH > 8), alcohols, DMSO, DMF

Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival at -20°C in the dark. Transportation: at room

temperature for up to 3 weeks. 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: 492 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 74000 Emission maximum, nm: 517 Fluorescence quantum yield: 0.93 CF_{260} : 0.22 CF_{280} : 0.17