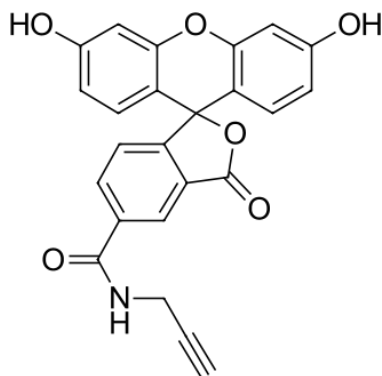
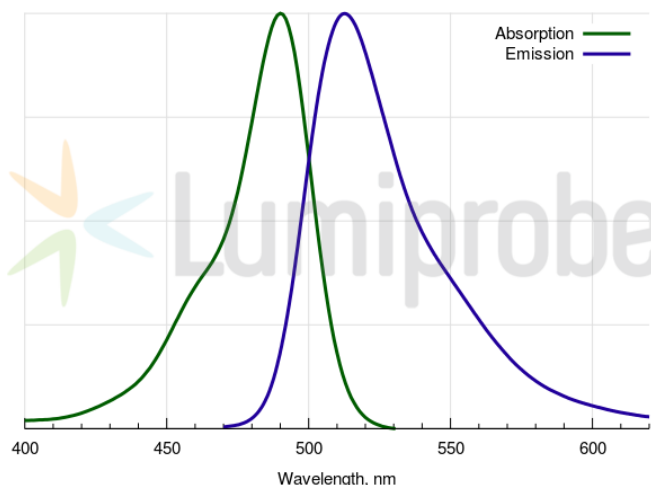


## FAM alkyne, 5-isomer

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



**Structure of 5-FAM alkyne**



**FAM absorbance and emission spectra**

### General properties

Appearance:	yellow solid
Molecular weight:	413.38
CAS number:	510758-19-7
Molecular formula:	C <sub>25</sub> H <sub>15</sub> O <sub>6</sub> N
Solubility:	good in aqueous buffers (pH > 8), alcohols, DMSO, DMF
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
TN VED Code:	3204190000

### Spectral properties

Excitation maximum, nm:	490
$\epsilon$ , L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	80000
Emission maximum, nm:	513
Fluorescence quantum yield:	0.93
CF <sub>260</sub> :	0.20
CF <sub>280</sub> :	0.17