

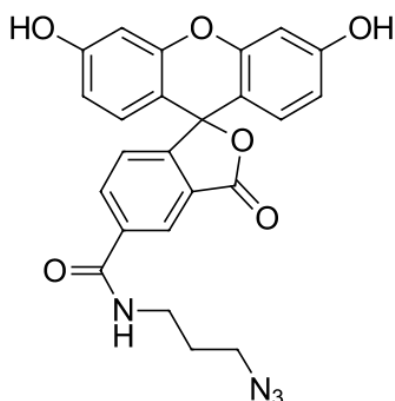
## FAM azide, 5-isomer

<http://www.lumiprobe.com/p/fam-azide-5>

FAM azide for Click chemistry labeling. FAM remains one of the most popular fluorescent labels for various applications. Most instruments capable of fluorescence detection, ranging from plate readers to fluorescence microscopes, are able to work in FAM channel.

With versatility of Click chemistry and this reagent, it is possible to attach this popular fluorophore to nearly any alkyne bearing molecule.

FAM azide is available both as solid compound, and as 10 mM solution in DMSO ready to use in our recommended labeling protocol. This product is a pure 5-isomer. FAM is a replacement for DyLight 488.



**5-FAM azide structure**

### General properties

Appearance:	yellowish crystals
Molecular weight:	458.42
CAS number:	510758-23-3
Molecular formula:	C <sub>24</sub> H <sub>18</sub> N <sub>4</sub> O <sub>6</sub>
Solubility:	soluble in polar organic solvents (DMF, DMSO, alcohols)
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.

### Spectral properties

Excitation/absorption maximum, nm:	494
ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	75000
Emission maximum, nm:	520
Fluorescence quantum yield:	0.9
CF <sub>260</sub> :	0.20
CF <sub>280</sub> :	0.17