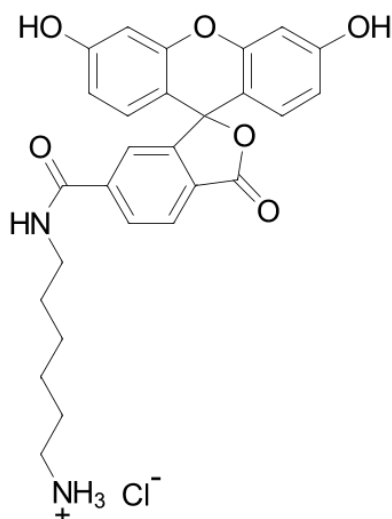


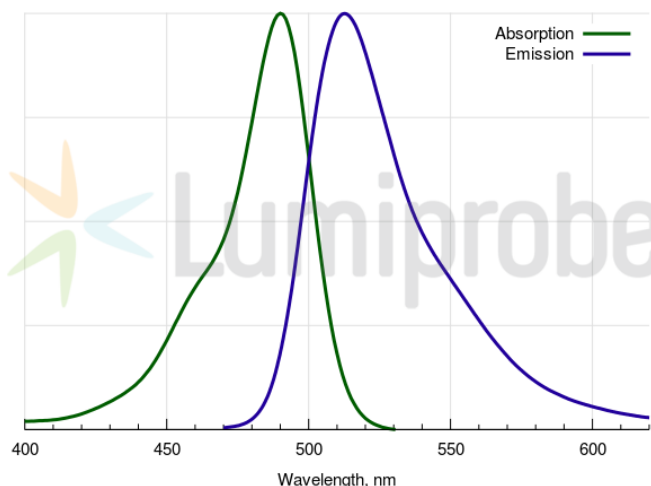
## FAM amine, 6-isomer

<http://www.lumiprobe.com/p/fam-amine-6>

Fluorescein derivative with amine group, contains pure 6-isomer of the fluorophore. This reagent can be used for the modification of biomolecules by enzymatic transamination. Its aliphatic amine groups also reacts with electrophiles (like activated esters). This amine can be also conjugated with carbonyl compounds (aldehydes and ketones) by means of reductive amination.



**Structure of 6-FAM amine**



**Absorption and emission spectra of FAM**

### General properties

Appearance:	yellow solid
Molecular weight:	510.97
CAS number:	2183440-42-6 (hydrochloride), 1313393-44-0
Molecular formula:	C <sub>27</sub> H <sub>27</sub> N <sub>2</sub> ClO <sub>6</sub>
IUPAC name:	5-aminohexylaminocarbonylfluorescein hydrochloride
Solubility:	good in methanol, 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. Desiccate.
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:	490
ε, 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