

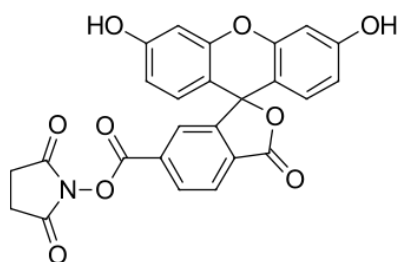
## FAM NHS ester, 6-isomer

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

Fluorescein (FAM) is a bright fluorophore that has found an extremely wide application in life science research. The fluorophore is hydrophilic and its derivatives possess good solubility in aqueous buffers.

Fluorescein is compatible with a wide variety of fluorescent instrumentation - most instruments are equipped with FAM channel filters.

This product contains the pure 6-isomer of fluorescein.



**6-FAM NHS ester structure**

### General properties

Appearance:	yellow crystalline solid
Mass spec M+ increment:	358.0
Molecular weight:	473.39
CAS number:	92557-81-8
Molecular formula:	C <sub>25</sub> NO <sub>9</sub> H <sub>15</sub>
IUPAC name:	(2,5-dioxopyrrolidin-1-yl) 3',6'-dihydroxy-1-oxospiro[2-benzofuran-3,9'-xanthene]-5-carboxylate
Solubility:	good in DMF, DMSO
Quality control:	NMR <sup>1</sup> H, HPLC-MS (95%)
Storage conditions:	Storage: 12 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:	492
$\epsilon$ , L·mol <sup>-1</sup> ·cm <sup>-1</sup> :	74000
Emission maximum, nm:	517
Fluorescence quantum yield:	0.93
CF <sub>260</sub> :	0.22
CF <sub>280</sub> :	0.17