

Lumiprobe Corporation

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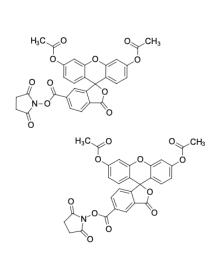
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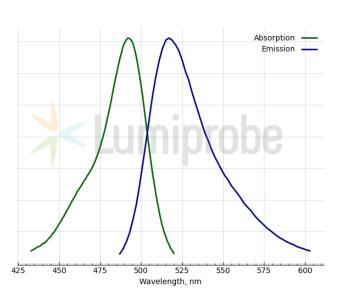
(5,6)-FAM diacetate NHS ester

http://www.lumiprobe.com/p/fam-da-nhs-56

(5,6)-FAM diacetate NHS ester is a cell-permeable amine-reactive label for biomolecules.

This molecule is non-fluorescent until the acetate groups are cleaved by intracellular esterases resulting in the formation of a highly fluorescent fluorophore with emission in the green spectrum range (absorption maximum at \sim 492 nm, emission maximum at \sim 517 nm). Due to this characteristic, this product is used for tracking cells and flow cytometric evaluations and studying intracellular esterase.





Structure of (5,6)-FAM diacetate NHS ester

(5,6)-FAM diacetate absorbance and emission spectra

General properties

 $\begin{array}{lll} \mbox{Appearance:} & \mbox{white solid} \\ \mbox{Molecular weight:} & 557.46 \\ \mbox{CAS number:} & 150347-59-4 \\ \mbox{Molecular formula:} & \mbox{C_{29}H}_{19}\mbox{NO}_{11} \\ \end{array}$

Solubility: good in DMF, DMSO

Quality control: NMR ¹H and ³¹P. HPLC-MS (95%)

Storage conditions: 12 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety

and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro

diagnostic purposes, for humans or animals or for commercial purposes.

Spectral properties

Excitation/absorption maximum, nm: 492 Emission maximum, nm: 517