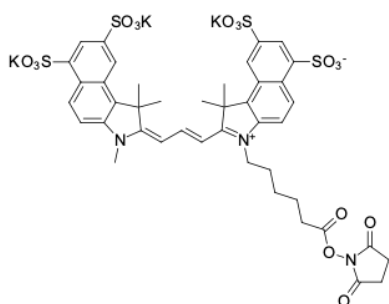


sulfo-Cyanine3.5 NHS ester

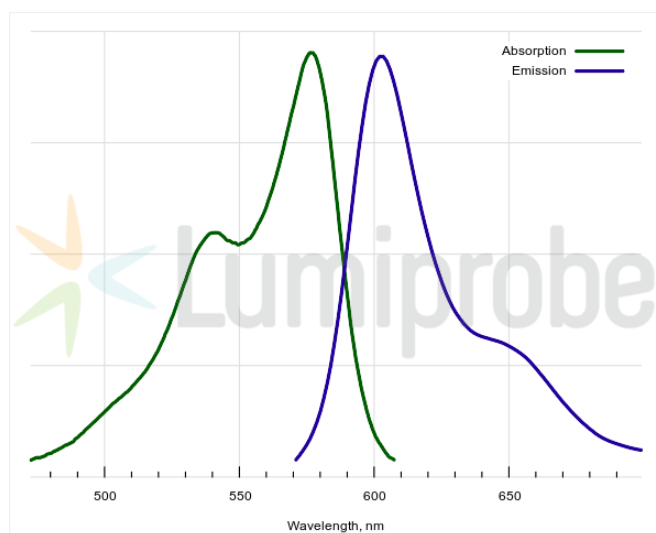
<http://www.lumiprobe.com/p/sulfo-cy35-nhs-ester>

Cyanine3.5 is a fluorescent dye with absorption and emission intermediate between Cyanine3 and Cyanine5. The sulfonated version contains four sulfo groups, which ensure high solubility and hydrophilicity of the fluorophore and labeled conjugates.

The NHS ester reactive group allows labeling of primary and secondary amine groups.



Structure of sulfo-Cyanine3.5 NHS ester



Absorption and emission spectra of sulfo-Cyanine3.5

General properties

Appearance:	deep purple powder
Molecular weight:	1088.33
CAS number:	2231670-91-8 (without cation)
Molecular formula:	$C_{42}H_{40}N_3K_3O_{16}S_4$
Solubility:	good in water, DMF, DMSO
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 12 months after receipt at $-20^\circ C$ 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:	576
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	139000
Emission maximum, nm:	603
Fluorescence quantum yield:	0.11
CF_{260} :	0.16
CF_{280} :	0.17