

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

USA

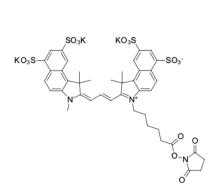
Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

sulfo-Cyanine3.5 NHS ester

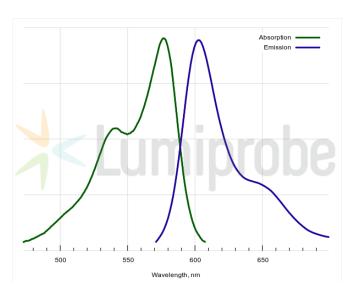
http://www.lumiprobe.com/p/sulfo-cy35-nhs-ester

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-Cyanine 3.5 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 receival 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: 576 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 139000 Emission maximum, nm: 603 Fluorescence quantum yield: 0.11 CF_{260} : 0.16 CF_{280} : 0.17