

Lumiprobe Corporation

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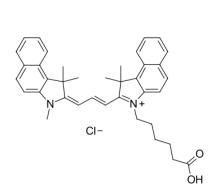
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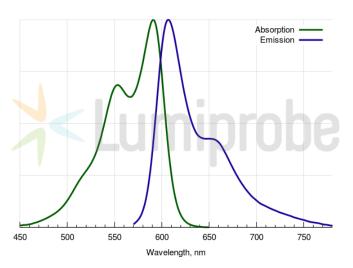
Cyanine 3.5 carboxylic acid

http://www.lumiprobe.com/p/cy35-carboxylic-acid

Cyanine3.5 free unactivated monofunctional carboxylic acid. Can be used as a reference non-reactive dye or control. Cyanine3.5 is an analog of Cy3.5® fluorophore.



Cyanine3.5 carboxylic acid structure



Cyanine 3.5 absorbance and emission spectra

General properties

Appearance: dark purple powder

Molecular weight: 593.20

CAS number: 1802928-88-6 (chloride), 1144107-79-8 (inner salt), 1802978-82-0 (without anion)

 $\label{eq:controller} \text{Molecular formula:} \qquad \qquad \text{$C_{38}H_{41}\text{CIN}_2O_2$}$

Solubility: soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water

Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival at -20°C in the dark. Transportation: at room

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

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: 591 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 116000 Emission maximum, nm: 604 Fluorescence quantum yield: 0.35 CF_{260} : 0.29 CF_{280} : 0.22

Cy® is a trademark of GE Healthcare.