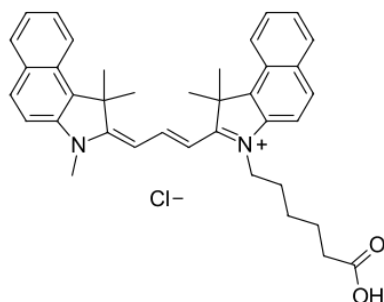


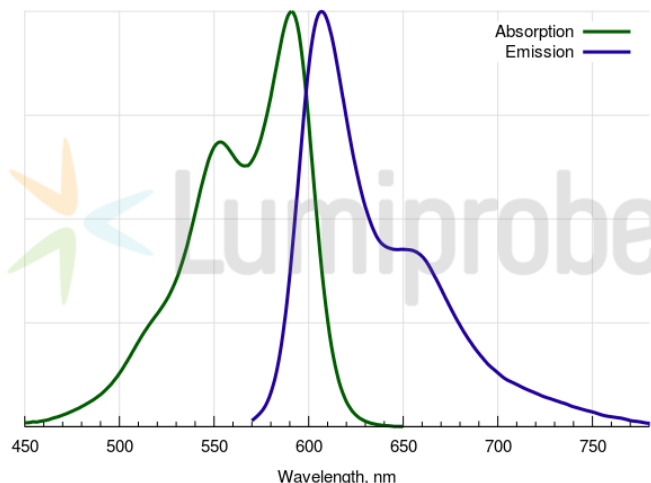
## Cyanine3.5 carboxylic acid

<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**



**Cyanine3.5 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)   |
| Molecular formula:  | C <sub>38</sub> H <sub>41</sub> ClN <sub>2</sub> O <sub>2</sub>  |
| Solubility:         | soluble in organic solvents (DMF, DMSO, dichloromethane), insoluble in water   |
| Quality control:    | NMR <sup>1</sup> H, HPLC-MS (95%)  |
| Storage conditions: | Storage: 24 months after receipt 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 <sup>-1</sup> ·cm <sup>-1</sup> : | 116000 |
| Emission maximum, nm:                      | 604    |
| Fluorescence quantum yield:                | 0.35   |
| CF <sub>260</sub> :                        | 0.29   |
| CF <sub>280</sub> :                        | 0.22   |

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