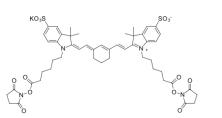


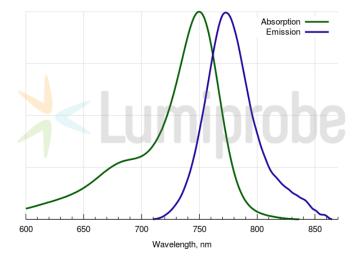
## sulfo-Cyanine7 bis-NHS ester

http://www.lumiprobe.com/p/sulfo-cy7-bis-nhs-ester

sulfo-Cyanine7 bis-NHS ester is a water-soluble, bifunctional cross-linker containing a core of near-infrared, water-soluble sulfo-Cyanine7, and two amine-reactive NHS ester groups.



Structure of sulfo-Cyanine7 bis-NHS ester



## Absorption and emission spectra of sulfo-Cyanine7

| General properties                         |  |
|--|--|
| Appearance:                                | dark colored solid   |
| Molecular weight:                          | 1041.23  |
| Molecular formula:                         | $C_{50}H_{57}N_4KO_{14}S_2$  |
| Solubility:                                | good in DMF, DMSO, water   |
| Quality control:                           | NMR <sup>1</sup> H, 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:                           | Product is offered and sold for research purposes only. Product is not tested for safety<br>and efficacy in food, drug, medical device, cosmetic, no express or implied<br>authorization to use for any other purpose, including, without limitation, in vitro<br>diagnostic purposes, for humans or animals or for commercial purposes. |
| Spectral properties                        |  |
| Excitation/absorption maximum, nm          | n: 750   |
| ε, L·mol <sup>-1</sup> ·cm <sup>-1</sup> : | 240600   |
|  |  |

| Emission maximum, nm:       | 773  |
|-----------------------------|------|
| Fluorescence quantum yield: |      |
| CF <sub>260</sub> :         | 0.04 |
| CF <sub>280</sub> :         | 0.04 |