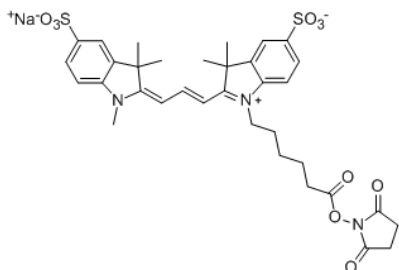


Sulfo-Cyanine3 NHS ester

Water soluble, amino-reactive sulfo-Cyanine3 NHS ester. Efficiently labels proteins and peptides in purely aqueous solution, without need for organic co-solvent. Ideal for proteins with low solubility, and proteins prone to denaturation.

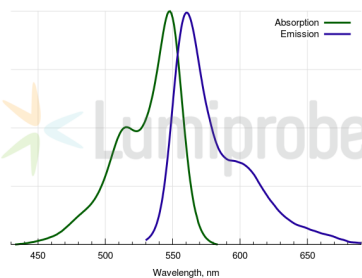
This is sulfonated, hydrophilic and water-soluble dye. Non-sulfonated Cyanine3 NHS ester is also available.

This product is an analog of Cy3® NHS ester. Sulfo-Cyanine3 NHS ester replaces Cy3®, Alexa Fluor 546, and DyLight 549 for all applications.



| Quantity | Cat. # |
|----------|--------|
| 1 mg | 11320 |
| 5 mg | 21320 |
| 25 mg | 41320 |
| 50 mg | 51320 |
| 100 mg | 61320 |

Absorption and emission spectra of sulfo-Cyanine3 fluorophore



General properties

| | |
|---------------------|---|
| Appearance: | dark red crystals |
| Molecular weight: | 735.80 |
| Molecular formula: | $C_{24}H_{38}N_3NaO_6S_2$ |
| Solubility: | very high in water, good in polar organic solvents (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. |

Spectral properties

| | |
|---|--------|
| Excitation maximum, nm: | 548 |
| ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$: | 162000 |
| Emission maximum, nm: | 563 |
| Fluorescence quantum yield: | 0.1 |
| CF_{260° : | 0.03 |
| CF_{280° : | 0.06 |

