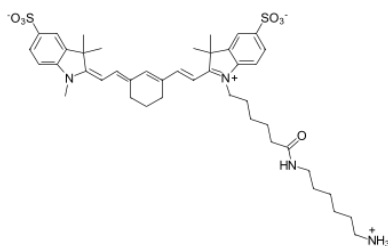


sulfo-Cyanine7 amine

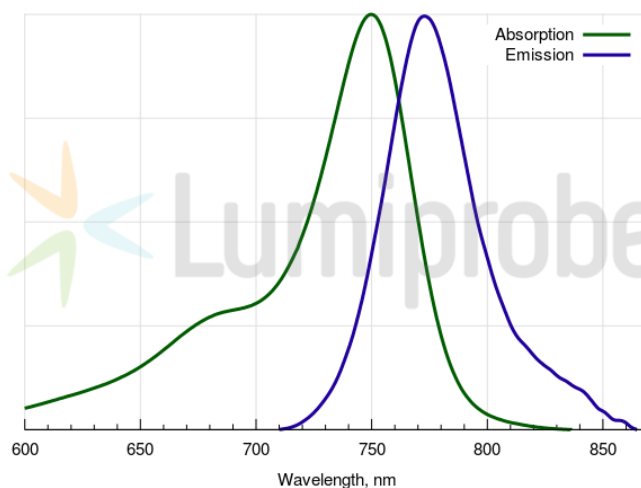
<http://www.lumiprobe.com/p/sulfo-cy7-amine>

Sulfonated amino derivative of Cyanine7 NIR dye.

This NIR dye amine can be used for the derivatization of various targets by the reaction with electrophilic groups, and also by enzymatical reactions involving transamination.



Sulfo-Cy7 amine structure



Sulfo-Cyanine7 absorbance and emission spectra

General properties

| | |
|---------------------|--|
| Appearance: | dark green powder |
| Molecular weight: | 807.07 |
| CAS number: | 2236573-39-8 |
| Molecular formula: | C ₄₃ H ₅₈ N ₄ O ₇ S ₂ |
| Solubility: | very poorly soluble in water (0.50 mM = 40 mg/L), good in DMF, DMSO |
| Quality control: | NMR ¹ 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: | 750 |
| ε, L·mol ⁻¹ ·cm ⁻¹ : | 240600 |
| Emission maximum, nm: | 773 |
| Fluorescence quantum yield: | 0.24 |
| CF ₂₆₀ : | 0.04 |
| CF ₂₈₀ : | 0.04 |