

Lumiprobe Corporation

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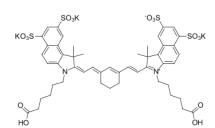
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sulfo-Cyanine7.5 dicarboxylic acid

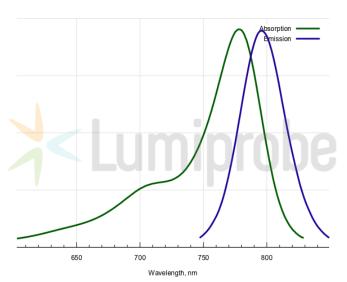
http://www.lumiprobe.com/p/sulfo-cy75-dicarboxylic-acid

sulfo-Cyanine7.5 dicarboxylic acid is a bifunctional near-infrared fluorescent dye with two carboxylic acid groups.

The reagent is useful as a cross-linker with NIR emission. The carboxylic acid groups can be activated by carbodiimide chemistry.



Structure of sulfo-Cyanine 7.5 dicarboxylic acid



Absorption and emission spectra of sulfo-Cyanine7.5 fluorophore

General properties

Appearance: dark green solid

Molecular weight: 1183.51

Molecular formula: $C_{50}H_{53}N_2K_3O_{16}S_4$

Solubility: good in water, DMF, DMSO

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. Desiccate.

Spectral properties

Excitation/absorption maximum, nm: 778 ϵ , L·mol⁻¹·cm⁻¹: 222000 Emission maximum, nm: 797 Fluorescence quantum yield: 0.21 CF_{260} : 0.09 CF_{280} : 0.09