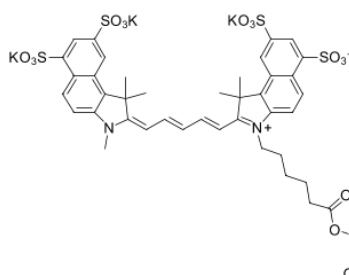


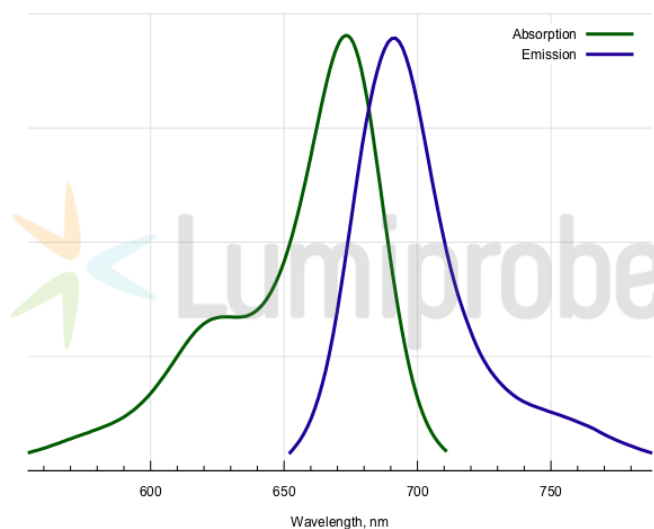
Sulfo-Cyanine5.5 NHS ester

Sulfo-Cyanine5.5 NHS ester is an amine reactive activated ester of sulfonated far red Cyanine5.5 fluorophore, an analog of Cy5.5®. This is a reagent of choice for the labeling of antibodies, sensitive proteins, and others which require reactions in purely aqueous environment, or without any significant additions of organic co-solvents.

The dye is well suitable for non-invasive in vivo NIR imaging, and for the applications requiring low fluorescent background.



Structure of sulfo-Cyanine5.5 NHS ester



Absorption and emission spectra of sulfo-Cyanine5.5 fluorophore

General properties

Appearance:	dark blue solid
Mass spec M+ increment:	884.15
Molecular weight:	1114.37
Molecular formula:	C ₄₄ H ₄₂ N ₃ K ₃ O ₁₆ S ₄
Solubility:	good in water, DMF, DMSO
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 12 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.
TN VED Code:	3204190000

Spectral properties

Excitation maximum, nm:	675
ε, L·mol ⁻¹ ·cm ⁻¹ :	235000
Emission maximum, nm:	694
CF ₂₆₀ :	0.09
CF ₂₈₀ :	0.11

Cy® is a trademark of GE Healthcare.