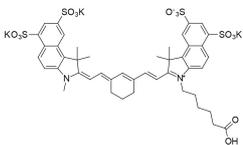


Sulfo-Cyanine 7.5 carboxylic acid (A270302)

Specifications:

Name:	Sulfo-Cyanine 7.5 carboxylic acid
Description:	Sulfo-Cyanine 7.5 is a water soluble, near infrared fluorescent dye. The structure of the dye is similar to indocyanine green (ICG), but it contains a rigid trimethine linker increasing its fluorescence quantum yield. This fluorophore is useful for near infrared imaging. Sulfo-Cyanine 7.5 carboxylic acid contains a free carboxy group.
Absorption Maxima:	778 nm
Extinction Coefficient:	222000 M ⁻¹ cm ⁻¹
Emission Maxima:	797 nm
CF ₂₆₀ :	0.09
CF ₂₈₀ :	0.09
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₄₅ H ₄₅ K ₃ N ₂ O ₁₄ S ₄
Molecular Weight:	1083.41 kDa
Product Form:	Dark green solid.
Solubility:	Good in water, DMF, and DMSO.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light. Desiccate.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

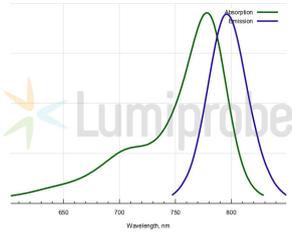
Images:



Structure of Sulfo-Cyanine 7.5 carboxylic acid.

Sulfo-Cyanine 7.5 carboxylic acid (A270302)

Images continued:



Absorption and emission spectra of Sulfo-Cyanine 7.5.