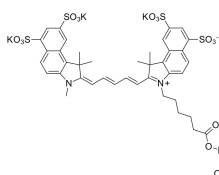


Sulfo-Cyanine 5.5 NHS ester (A270288)

Specifications:

Name:	Sulfo-Cyanine 5.5 NHS ester
Description:	Sulfo-Cyanine 5.5 NHS ester is an amine reactive activated ester of sulfonated far red Cyanine 5.5 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.
Absorption Maxima:	675 nm
Extinction Coefficient:	235000 M ⁻¹ cm ⁻¹
Emission Maxima:	694 nm
CAS Number:	2419286-92-1
CF ₂₆₀ :	0.09
CF ₂₈₀ :	0.11
Mass Spec M+ Shift after Conjugation:	884.15
Purity:	95% (by 1H NMR and HPLC-MS).
Molecular Formula:	C ₄₄ H ₄₂ N ₃ K ₃ O ₁₆ S ₄
Molecular Weight:	1114.37 kDa
Product Form:	Dark blue 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.

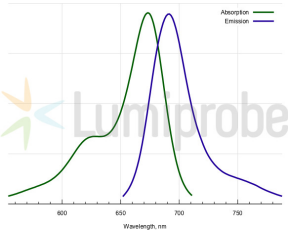
Images:



Structure of Sulfo-Cyanine 5.5 NHS ester.

Sulfo-Cyanine 5.5 NHS ester (A270288)

Images continued:



Absorption and emission spectra of Sulfo-Cyanine 5.5 fluorophore.