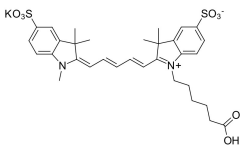


Sulfo-Cyanine 5 carboxylic acid (A270293)

Specifications:

Name:	Sulfo-Cyanine 5 carboxylic acid
Description:	Non-activated sulfo-Cyanine 5 carboxylic acid, water soluble dye. This dye is highly hydrophilic and water-soluble. Non-sulfonated analogs are also available. The fluorophore is an equivalent of Cy5® carboxylic acid. For labeling applications consider using pre-activated sulfo-Cy5 NHS ester.
Absorption Maxima:	646 nm
Extinction Coefficient:	271000 M ⁻¹ cm ⁻¹
Emission Maxima:	662 nm
Fluorescence Quantum Yield:	0.28
CAS Number:	1144107-82-3, 1121756-16-8, 2098639-31-5
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.04
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₂ H ₃₇ N ₂ KO ₈ S ₂
Molecular Weight:	680,87 kDa
Product Form:	Dark blue powder.
Solubility:	Well soluble in water, DMF, and DMSO (0.35 M = 240 g/L). Practically insoluble in non-polar organic solvents.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

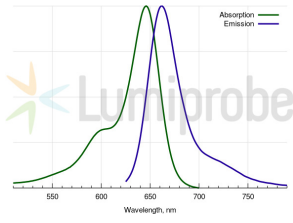
Images:



Sulfo-Cyanine 5 carboxylic acid dye structure.

Sulfo-Cyanine 5 carboxylic acid (A270293)

Images continued:



Sulfo-Cyanine 5 absorbance and emission spectra.