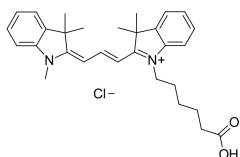


Cyanine 3 carboxylic acid (A270142)

Specifications:

Name:	Cyanine 3 carboxylic acid
Description:	Free Cyanine 3 carboxylic acid (Cy3® carboxylic acid analog), non-activated dye. Non-sulfonated reagent, with good solubility in organic solvents, and limited aqueous solubility. The dye can be used as a non-reactive fluorophore, for control experiments, and for calibration. For coupling with amines, and labeling, consider using Cyanine 3 NHS ester, or water-soluble sulfo-Cyanine 3 NHS ester.
Absorption Maxima:	555 nm
Extinction Coefficient:	150000 M ⁻¹ cm ⁻¹
Emission Maxima:	570 nm
Fluorescence Quantum Yield:	0.31
CAS Number:	1361402-15-4, 1032678-01-5, 1251915-29-3
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.09
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₀ H ₃₇ CIN ₂ O ₂
Molecular Weight:	493.08 kDa
Product Form:	Red powder.
Solubility:	Soluble in organic solvents (DMF, DMSO, dichloromethane). Poorly soluble in water (1.8 g/L = 4.0 mM).
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.

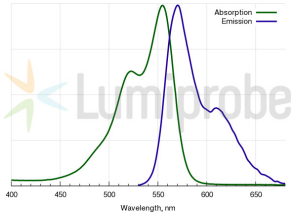
Images:



Cyanine 3 free carboxylic acid structure.

Cyanine 3 carboxylic acid (A270142)

Images continued:



Cyanine 3 absorbance and emission spectra.