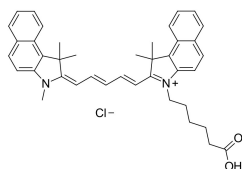


Cyanine 5.5 carboxylic acid (A270153)

Specifications:

Name:	Cyanine 5.5 carboxylic acid
Description:	Cyanine 5.5 dye, free acid form, unactivated. The dye can be considered non-reactive for most applications. It can be used as a control or reference sample, and for instrument calibration. Pre-activated NHS ester for the labeling of amine groups is also available.
Absorption Maxima:	684 nm
Extinction Coefficient:	198000 M ⁻¹ cm ⁻¹
Emission Maxima:	710 nm
Fluorescence Quantum Yield:	0.2
CAS Number:	1449661-34-0, 1449612-07-0
CF ₂₆₀ :	0.07
CF ₂₈₀ :	0.03
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₄₀ H ₄₃ ClN ₂ O ₂
Molecular Weight:	619.23 kDa
Product Form:	Dark blue powder.
Solubility:	Soluble in organic solvents (DMSO, DMF, dichloromethane). Practically insoluble in water (< 1 μM, < 1 mg/L).
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.

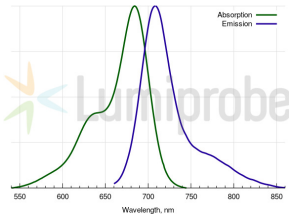
Images:



Structure of Cy5.5 free carboxylic acid.

Cyanine 5.5 carboxylic acid (A270153)

Images continued:



Cyanine 5.5 absorbance and emission spectra.