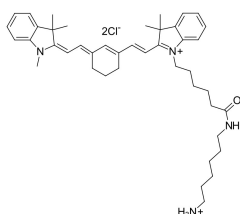


Cyanine 7 amine (A270183)

Specifications:

Name:	Cyanine 7 amine
Description:	Near infrared dye with free amine group for the conjugation with activated esters and other reactive molecules. Cyanine 7 is a near infrared dye, an analog of Cy7® which is especially suitable for live organism imaging, and demanding low-background applications.
Absorption Maxima:	750 nm
Extinction Coefficient:	199000 M ⁻¹ cm ⁻¹
Emission Maxima:	773 nm
Fluorescence Quantum Yield:	0.3
CAS Number:	1650635-41-8, 1650559-73-1
CF ₂₆₀ :	0.022
CF ₂₈₀ :	0.029
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₄₃ H ₆₀ Cl ₂ N ₄ O
Molecular Weight:	719.87 kDa
Product Form:	Green powder.
Solubility:	Soluble in water (72 mM = 51 g/L). Well soluble in DMSO, DMF, and alcohols.
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.

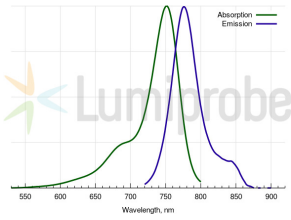
Images:



Cyanine 7 amine structure.

Cyanine 7 amine (A270183)

Images continued:



Cyanine 7 absorbance and emission spectra.