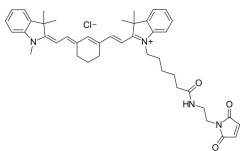


Cyanine 7 maleimide (A270190)

Specifications:

Name:	Cyanine 7 maleimide
Description:	Near-infrared, sulfhydryl reactive Cyanine 7 dye, an analog of Cy7® maleimide. This reagent allows to attach near infrared Cyanine 7 dye to proteins with free sulfhydryl groups. Labeled proteins thus obtained are used in NIR bioimaging applications. NIR imaging systems can be used to visualize distribution of labeled proteins in tissues even in live organism.
Absorption Maxima:	750 nm
Extinction Coefficient:	199000 M ⁻¹ cm ⁻¹
Emission Maxima:	773 nm
Fluorescence Quantum Yield:	0.3
CAS Number:	2120392-49-4
CF ₂₆₀ :	0.022
CF ₂₈₀ :	0.029
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₄₃ H ₅₁ ClN ₄ O ₃
Molecular Weight:	707.34 kDa
Product Form:	Green powder.
Solubility:	Soluble in organic solvents (DMSO, DMF, dichloromethane). Low solubility in water.
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.

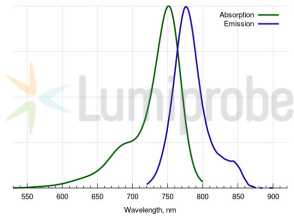
Images:



Cyanine 7 maleimide structure.

Cyanine 7 maleimide (A270190)

Images continued:



Cyanine 7 absorbance and emission spectra.