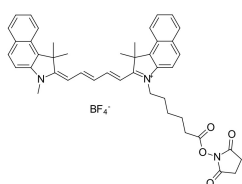


Cyanine 5.5 NHS ester (A270157)

Specifications:

Name:	Cyanine 5.5 NHS ester
Description:	Cyanine 5.5 NHS ester is a reactive dye for the labeling of amino-groups in peptides, proteins, and oligonucleotides, an analog of Cy5.5® NHS ester. Cy5.5 is a far-red (and near-infrared) emitting dye which is ideal for fluorescence measurements where background fluorescence is a concern. It is also suitable for in vivo NIR imaging experiments. This reagent can replace NHS esters of Cy5.5®, Alexa Fluor 680, and DyLight 680.
Absorption Maxima:	684 nm
Extinction Coefficient:	198000 M ⁻¹ cm ⁻¹
Emission Maxima:	710 nm
Fluorescence Quantum Yield:	0.2
CAS Number:	2375105-86-3
CF ₂₆₀ :	0.07
CF ₂₈₀ :	0.03
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₄₄ H ₄₆ N ₃ BF ₄ O ₄
Molecular Weight:	767.66 kDa
Product Form:	Dark blue solid.
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.

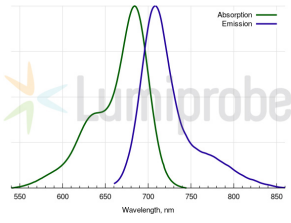
Images:



Cyanine 5.5 NHS ester structure.

Cyanine 5.5 NHS ester (A270157)

Images continued:



Cyanine 5.5 absorbance and emission spectra.