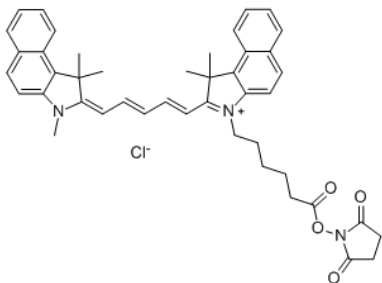


Cyanine5.5 NHS ester

Cyanine5.5 NHS ester is a reactive dye for the labeling of amino-groups in peptides, proteins, and oligonucleotides, an analog of Cy5.5® NHS ester.

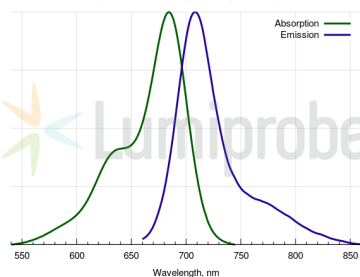
Cy5.5 is a far-red (and near-infrared) emitting dye which is ideal for fluorescence measurements where background fluorescence is a concern. It is also suitable for in vivo NIR imaging experiments.

This reagent can replace NHS esters of Cy5.5®, Alexa Fluor 680, and DyLight 680.



Quantity	Cat. #
1 mg	17020
5 mg	27020
25 mg	47020
50 mg	57020
100 mg	67020

Absorption and emission spectra of Cy5.5 fluorophore



General properties

Appearance:	dark blue powder
Molecular weight:	716.31
Molecular formula:	$C_{44}H_{48}ClN_5O_4$
Solubility:	soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water
Quality control:	NMR 1H , HPLC-MS (95%)
Storage conditions:	Storage: 12 months after receipt at $-20^\circ C$ in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Spectral properties

Excitation maximum, nm:	673
ϵ , $L \cdot mol^{-1} \cdot cm^{-1}$:	209000
Emission maximum, nm:	707
Fluorescence quantum yield:	0.2
CF_{260}^*	0.11
CF_{280}^*	0.08

