

### **Cyanine 5.5 amine (A270150)**

#### Specifications:

Name: Cyanine 5.5 amine

Description: Cyanine 5.5 (Cy5.5® analog) amine derivative. The dye contains a free amine group which

can be conjugated with a variety of functionalities, including NHS esters, and epoxides. Cyanine 5.5 is a far red dye which works fine for live organism imaging, and applications

requiring low fluorescence background.

Absorption Maxima: 684 nm

Extinction Coefficient: 198000 M-1cm-1

Emission Maxima: 710 nm

Fluorescence Quantum Yield: 0.2

CAS Number: 2097714-44-6, 2097714-45-7

CF 260: 0.07

CF 280: 0.03

Purity: 95% (by 1H NMR and HPLC-MS).

Molecular Formula: C46H58Cl2N4O

Molecular Weight: 753.88 kDa

Product Form: Dark blue powder.

Solubility: Practically insoluble in water (< 2 uM). Good in polar organic solvents (DMF, DMSO,

alcohols).

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:

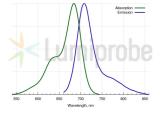
2CT O HEN NHS

Cyanine 5.5 amine structure.



# **Cyanine 5.5 amine (A270150)**

## Images continued:



Cyanine 5.5 absorbance and emission spectra.