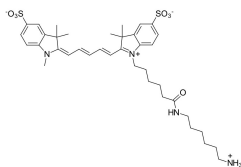


Sulfo-Cyanine 5 amine (A270290)

Specifications:

Name:	Sulfo-Cyanine 5 amine
Description:	Water soluble amino dye for enzymatic transamination labeling, and other coupling with electrophiles. Cyanine 5 is a popular fluorophore which is compatible with different fluorescence measuring instruments. Sulfo-Cyanine 5 derivatives possess good water solubility.
Absorption Maxima:	646 nm
Extinction Coefficient:	271000 M ⁻¹ cm ⁻¹
Emission Maxima:	662 nm
Fluorescence Quantum Yield:	0.28
CAS Number:	2183440-44-8
CF ₂₆₀ :	0.04
CF ₂₈₀ :	0.04
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₈ H ₅₂ N ₄ O ₇ S ₂
Molecular Weight:	740.98 kDa
Product Form:	Dark blue solid.
Solubility:	Moderate in water and well soluble in DMF, DMSO, and 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.

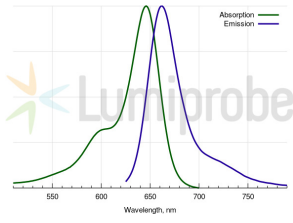
Images:



Sulfo-Cyanine 5 amine structure.

Sulfo-Cyanine 5 amine (A270290)

Images continued:



Sulfo-Cyanine 5 absorbance and emission spectra.