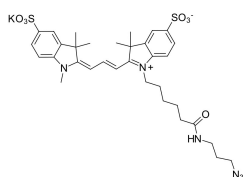


Sulfo-Cyanine 3 azide (A270274)

Specifications:

Name:	Sulfo-Cyanine 3 azide
Description:	Sulfo-Cyanine 3 azide is a water-soluble dye azide for Click Chemistry. Absorbance and emission of the dye are identical to Cy3® fluorophore. Brightness and photostability of fluorophore, together with high water solubility, makes this reagent an ideal choice for Click chemistry labeling of various molecules in aqueous phase. Click reaction can be carried out in pure water without need to use organic co-solvent. The reagent is designed for the labeling of sensitive molecules such as proteins, and even intact biological objects.
Absorption Maxima:	548 nm
Extinction Coefficient:	162000 M ⁻¹ cm ⁻¹
Emission Maxima:	563 nm
Fluorescence Quantum Yield:	0.1
CAS Number:	2055138-89-9, 1658416-54-6
CF ₂₆₀ :	0.03
CF ₂₈₀ :	0.06
Purity:	95% (by ¹ H NMR and HPLC-MS).
Molecular Formula:	C ₃₃ H ₄₁ N ₆ KO ₇ S ₂
Molecular Weight:	736.94 kDa
Product Form:	Dark red crystals.
Solubility:	Soluble in water (0.62 M = 46 g/L), DMF, and DMSO.
Storage:	Shipped at room temperature. Upon delivery, store in the dark at -20°C. Avoid prolonged exposure to light.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

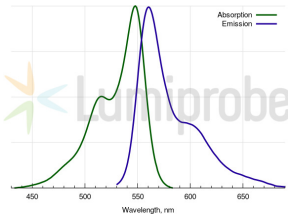
Images:



Sulfo-Cyanine 3 azide structure.

Sulfo-Cyanine 3 azide (A270274)

Images continued:



Sulfo-Cyanine 3 absorbance and emission spectra.