

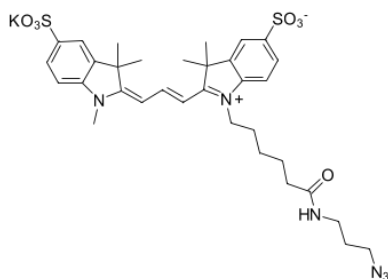
Sulfo-Cyanine3 azide

<http://www.lumiprobe.com/p/sulfo-cy3-azide>

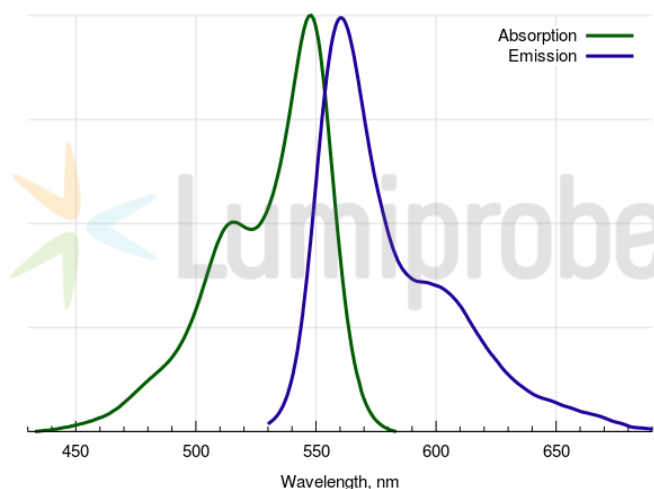
Sulfo-Cyanine3 azide is a water-soluble dye azide for Click Chemistry. Absorbance and emission of the dye are identical to Cy3® fluorophore.

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.



Sulfo-Cyanine3 azide structure



Sulfo-Cyanine3 absorbance and emission spectra

General properties

Appearance:	dark red crystals
Molecular weight:	736.94
CAS number:	2055138-89-9 (sodium salt), 1658416-54-6
Molecular formula:	C ₃₃ H ₄₁ N ₆ KO ₇ S ₂
Solubility:	soluble in water (0.62 M = 46 g/L), DMF, DMSO
Quality control:	NMR ¹ H, HPLC-MS (95%)
Storage conditions:	Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to light.
TN VED Code:	3204190000

Spectral properties

Excitation maximum, nm:	548
ε, L·mol ⁻¹ ·cm ⁻¹ :	162000
Emission maximum, nm:	563
Fluorescence quantum yield:	0.1
CF ₂₆₀ :	0.03
CF ₂₈₀ :	0.06

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