

Lumiprobe Corporation

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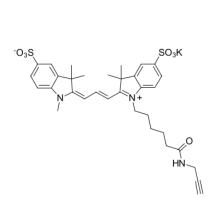
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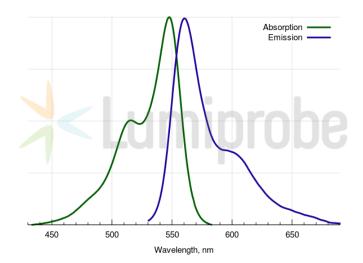
sulfo-Cyanine3 alkyne

http://www.lumiprobe.com/p/sulfo-cy3-alkyne

A water-soluble alkyne dye for copper-catalyzed click chemistry, an analog of Cy3® alkyne.

sulfo-Cyanine3 is a fluorophore compatible with a wide range of fluorescent scanners, imagers, microscopes, and other instrumentation. It is a bright and photostable dye, which is also easily detected in gels by the naked eye in low amounts (<1 nmol).





Structure of sulfo-Cyanine 3.5 NHS ester

Absorbance and emission spectra of sulfo-Cyanine3

General properties

Appearance: dark red powder

Mass spec M+ increment: 653.2 Molecular weight: 691.90

CAS number: 2055138-87-7 (inner salt); 2055138-88-8 (sodium salt)

Molecular formula: $C_{33}H_{38}KN_3O_7S_2$

Solubility: soluble in water (0.57 M = 40 g/L), DMSO, DMF

Quality control: NMR ¹H, HPLC-MS (95%)

Storage conditions: Storage: 24 months after receival at -20°C in the dark. Transportation: at room

temperature for up to 3 weeks. Avoid prolonged exposure to light. Desiccate.

Legal statement: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption 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

Cy® is a trademark of GE Healthcare.