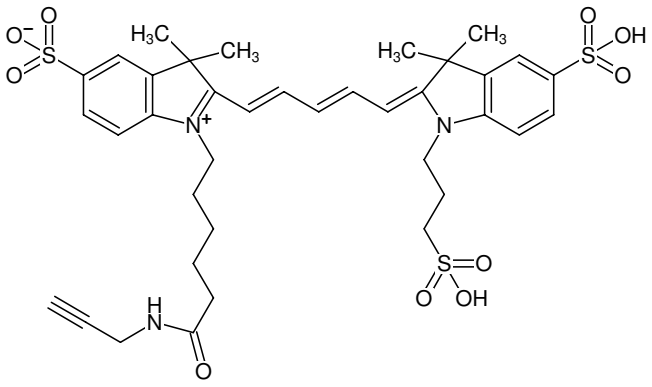
DATA SHEET

Jena Bioscience

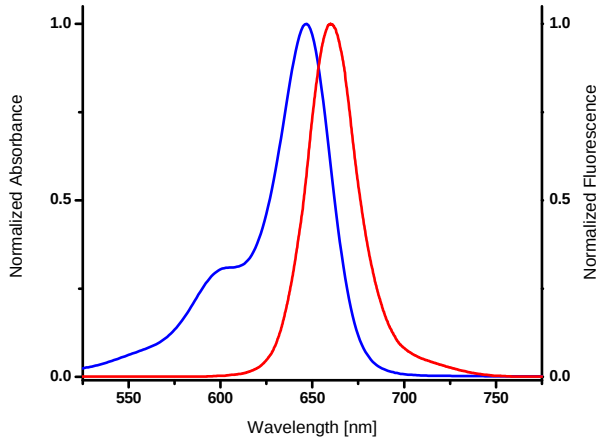
Sulfo-Cy5-Alkyne

Abs/Em = 647/663 nm
bis(Triethylammonium) salt

Cat. No.	Amount
CLK-TA116-1	1 mg
CLK-TA116-5	5 x 1 mg
CLK-TA116-25	25 mg



Structural formula of Sulfo-Cy5-Alkyne



excitation and emission spectrum of Cy5

For general laboratory use.

Shipping: shipped at ambient temperature

Storage Conditions: store at -20 °C

Shelf Life: 12 months after date of delivery

Molecular Formula: $C_{37}H_{45}N_3O_{10}S_3$ (free acid)

Molecular Weight: 787.96 g/mol (free acid)

Exact Mass: 787.23 g/mol (free acid)

Purity: ≥ 90 % (HPLC)

Form: powder

Color: blue

Solubility: DMF, DMSO, MeOH, water

Spectroscopic Properties: λ_{abs} 647 nm, λ_{em} 663 nm, ε 251.0 L $mmol^{-1}$ cm^{-1}

Selected References:

Gutman *et al.* (2019) Metabolic Glycoengineering of Cell-Derived Matrices and Cell Surfaces: A Combination of Key Principles and Step-by-Step Procedures. *ACS Biomater. Sci. Eng.* **5 (1)**:215.

Gutman *et al.* (2018) Bioorthogonal Modification of Cell Derived Matrices by Metabolic Glycoengineering. *ACS Biomater. Sci. Eng.* **4 (4)**:1300.

Gutman *et al.* (2016) Biocompatible Azide-Alkyne "Click" Reactions for Surface Decoration of Glyco-Engineered Cells. *Chembiochem.* **17 (9)**:866.