

Product Data Sheet

Product Name: sulfo-Cy7.5 amine

Cat. No.: GC71787

Chemical Properties

Cas. No.

Formula $C_{51}H_{59}K_3N_4O_{13}S_4$

M.Wt 1181.59

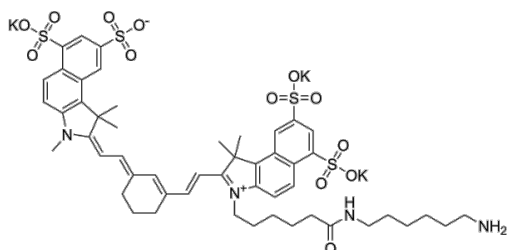
Solubility

Storage -20°C, protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

sulfo-Cy7.5 amine is a dye derivative of Cyanine 7.5 (Cy7.5) bearing an amine group. The sulfonate ion increases the water solubility of the compound, making it suitable for use in aqueous solutions. Cy7.5 is a near-infrared fluorescent dye commonly used for biolabeling and cell imaging. The amine functionality of sulfo-Cy7.5 amine can react with carboxyl groups to form covalent bonds. Sulfo-Cy7.5 amine can bind to biomolecules such as proteins and antibodies to track their location and dynamic changes in biological samples.

Caution: Product has not been fully validated for medical applications. For research use only.

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