

Product Data Sheet

Product Name: Sulfo-Cyanine3.5 azide

Cat. No.: GC59214

Chemical Properties

Cas. No.

Formula $C_{41}H_{43}N_6K_3O_{13}S_4$

M.Wt 1073.37

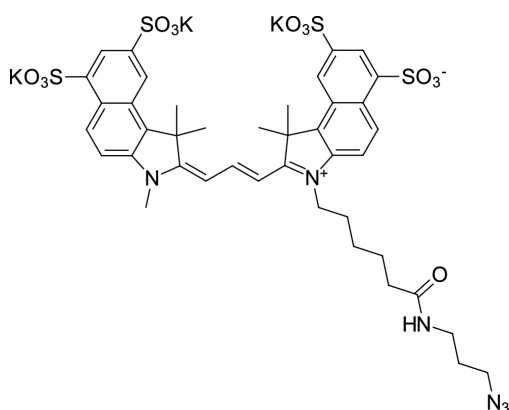
Solubility good in water, DMF, DMSO

Storage -20°C, protect from light, away from moisture.

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-Cyanine3.5 is a fluorescent dye with absorption and emission spectra between those of Cyanine3 and Cyanine5. Because of its spectral characteristics, this fluorophore is widely used in BRET and FRET experiments both as a pair donor and acceptor.

Sulfo-Cyanine3.5 is a sulfonated derivative of Cyanine3.5 dye because it contains four additional sulfo groups, which ensures high water solubility of the dye and its conjugates. This allows working

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

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with this reagent in aqueous solutions without adding organic solvents.

This reagent is an azide derivative of sulfo-Cyanine3.5 dye for Click Chemistry reactions. The azide group allows conjugating the fluorophore with molecules containing alkyne or cycloalkyne groups, including various biomolecules, small molecules, and polymers, using copper-catalyzed Click chemistry and copper-free spAAC reaction.

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