

Product Data Sheet

Product Name: Sulfo-Cyanine5 tetrazine

Cat. No.: GC59191

Chemical Properties

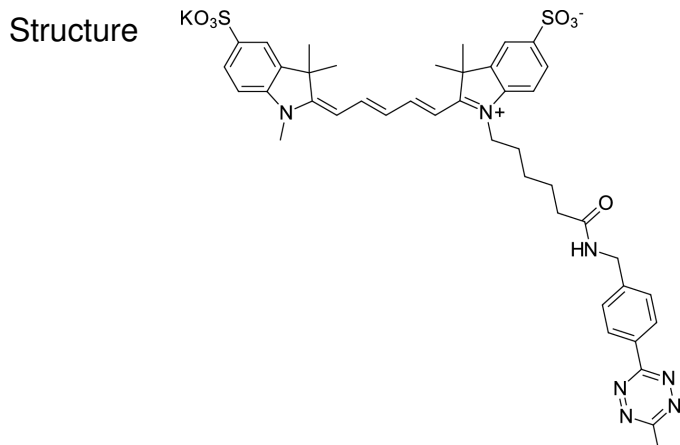
Cas. No.

Formula $C_{42}H_{46}KN_7O_7S_2$ M.Wt 864.09

Solubility good in water, DMF, DMSO Storage -20°C in the dark, desiccate.

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.



Background

TCO (tetrazine – *trans*-cyclooctene) ligation is one of the fastest reactions used for bioconjugation. It is an inverse electron demand [4+2] cycloaddition that takes place between tetrazine and *trans*-cyclooctene or other strained olefin.

Sulfo-Cyanine5 tetrazine is a fluorophore derivative bearing a tetrazine group for the TCO-ligation based labeling.

This reagent possesses good aqueous solubility and stability in biological environments.

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

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