

Product Data Sheet

Product Name: Sulfo-DBCO-NHS ester TEA

Cat. No.: GC81888

Chemical Properties

Cas. No.

Formula $C_{36}H_{46}N_4O_9S$ M.Wt 710.84

Solubility DMSO: 50 mg/mL (70.34 mM; Need ultrasonic) Storage Store at -20°C, sealed storage, away from moisture and light

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-DBCO-NHS ester TEA is a click chemistry reagent containing an azide group. The DBCO group is commonly used for copper-free Click Chemistry reactions due to its strain promoted high energy. NHS ester can bind to amino acids or other molecules containing amino groups [1].

References:

[1]. Takemoto H, et al. Accelerated polymer-polymer click conjugation by freeze-thaw treatment. Bioconjug Chem. 2012 Aug 15;23(8):1503-6.

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

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