
Product Data Sheet

Product Name: Cy5.5-SE (DIPEA)

Cat. No.: GC64829

Chemical Properties

Cas. No.

Formula C53H66N4O16S4

M.Wt 1143.37

Solubility DMSO : 50 mg/mL (43.73 mM; Need ultrasonic) Storage Store at -20°C

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**

Cy5.5-SE DIPEA is a cyanine dye, labeling amino-groups in peptides, proteins, and oligonucleotides. Cy5.5-SE DIPEA is an excellent sulfur activator to promote the reaction of 2-nitrochalcones with elemental sulfur[1].

[1]. Nguyen TB, Retailleau P. DIPEA-Promoted Reaction of 2-Nitrochalcones with Elemental Sulfur: An Unusual Approach to 2-Benzoylbenzothiophenes. Org Lett. 2017 Sep 15;19(18):4858-4860.

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

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