

Product Data Sheet

Product Name: Cyanine5 alkyne

Cat. No.: GC59102

Chemical Properties

Cas. No. 1223357-57-0

Formula $C_{35}H_{42}ClN_3O$ M.Wt 556.18

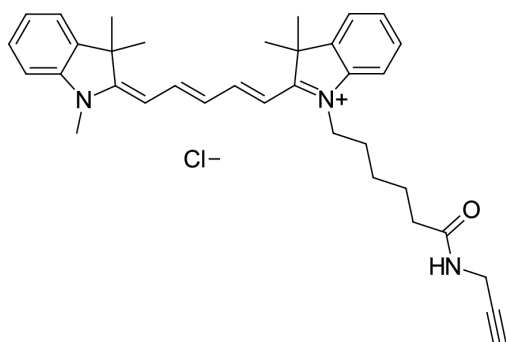
Solubility good in dichloromethane, DMF, DMSO, alcohols, very poorly soluble in water (200 mg/L = 0.4 mM)

Storage Storage: 24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Avoid prolonged exposure to 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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Cyanine5 alkyne for Click Chemistry, an analog of Cy5® alkyne. With this product, deeply colored, and photostable Cyanine5 fluorophore can be attached to various molecules via Click Chemistry reaction with azides.

This alkyne is non-water soluble, but it can be dissolved in DMF or DMSO prior to reaction, and added to aqueous reaction mixture. With our [labeling protocol](#), the labeling reaction is very efficient, and high-yielding.

Various substrates bearing azides can be used for the labeling, including azido-labeled biomolecules,

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polymers, and solid surfaces.

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