

Product Data Sheet

Product Name: Cyanine7 azide

Cat. No.: GC59138

Chemical Properties

Cas. No. 1557149-65-1 (chloride), 1557397-59-7

Formula $C_{40}H_{51}ClN_6O$ M.Wt 667.33

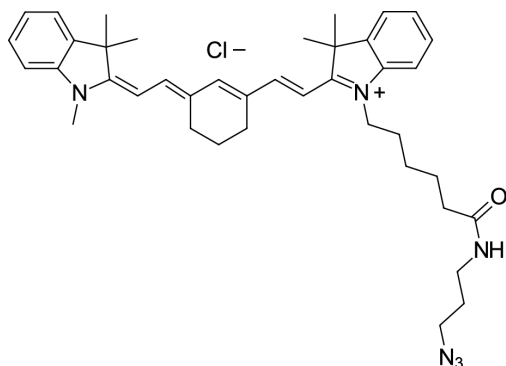
Solubility soluble in organic solvents (DMSO, DMF, dichloromethane), low solubility in water

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. 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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Cyanine7 azide is a near-infrared fluorescent dye azide for Click Chemistry labeling, an analog of Cy7® azide.

This product can be used for the incorporation of Cyanine7 into various alkynylated biomolecules via Click Chemistry. Post-synthetic modification of oligonucleotides is also possible with this azide.

Cyclohexane-bridged polymethyne chain allows for 20% increase in quantum yield (compared to parent non-bridged structure).

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

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