
Product Data Sheet

Product Name: Cyanine3.5 alkyne

Cat. No.: GC18067

Chemical Properties

Cas. No. N/A

Chemical Name 1,1-dimethyl-3-(6-oxo-6-(prop-2-yn-1-ylamino)hexyl)-2-((1E,3E)-3-(1,1,3-trimethyl-1H-benzo[e]indol-2(3H)-ylidene)prop-1-en-1-yl)-1H-benzo[e]indol-3-ium chloride

SMILES CC(C1=C(C=CC=C2)C2=CC=C1N/3C)(C)C3=C/C=C/C4=[N+](CCCCC(NCC#C)=O)C(C=CC5=C6C=CC=C5)=C6C4(C)C.[Cl-]

Formula C₄₁H₄₄ClN₃O

M.Wt 630.26

Solubility ≥ 63mg/mL in DMSO, ≥ 50.5 mg/mL in EtOH

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**

Cyanine3.5 alkyne is a fluorophore that reacted with azides by copper-catalyzed click reaction. It is particularly suitable for the detection and labeling of azide-containing molecules/ biomolecules with fluorescence spectroscopy after azide-alkyne cycloaddition. This dye is not water-soluble, but it can be efficiently attached to water-soluble molecules (e.g protein or peptides) with organic co-solvent (DMSO or DMF).

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

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