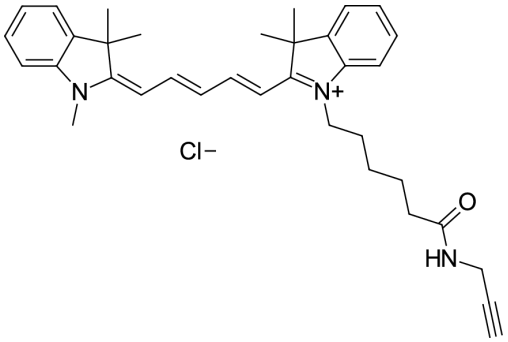
Product Data Sheet

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 receival 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 size: 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,

polymers, and solid surfaces.