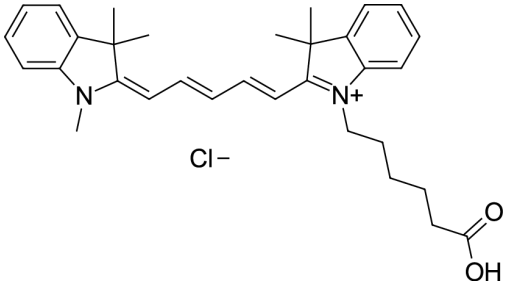
Product Data Sheet

Product Name: Cyanine5 carboxylic acid
Cat. No.: GC59085

Chemical Properties

Cas. No.	1032678-07-1 (chloride), 195867-59-5 (inner salt), 766503-38-2 (without anion)		
Formula	$C_{32}H_{39}ClN_2O_2$	M.Wt	519.12
Solubility	soluble in organic solvents (DMF, DMSO, dichloromethane), very poorly soluble in water (0.25 mM, 130 mg/L)	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. 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 size: ship with RT , or blue ice upon request.		

Structure



Background

Non-activated carboxylic acid, an analog of Cy5® free carboxylic acid. Contains Cyanine5 fluorophore.

This dye has limited water solubility, but can be dissolved in mixtures of water with organic phase (DMF, DMSO, alcohols) to obtain useful concentrations of the material in solution. Water-soluble version is available.

This molecule can be considered non-reactive dye for the use in control samples, and for instrument calibration. For coupling with amines and protein labeling, consider using Cyanine5 NHS ester, or

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water-soluble sulfo-Cyanine5 NHS ester.