

Product Data Sheet

Product Name: Cyanine3 carboxylic acid

Cat. No.: GC59073

Chemical Properties

Cas. No. 1361402-15-4 (inner salt), 1032678-01-5 (chloride), 1251915-29-3 (iodide)

Formula $C_{30}H_{37}ClN_2O_2$ M.Wt 493.08

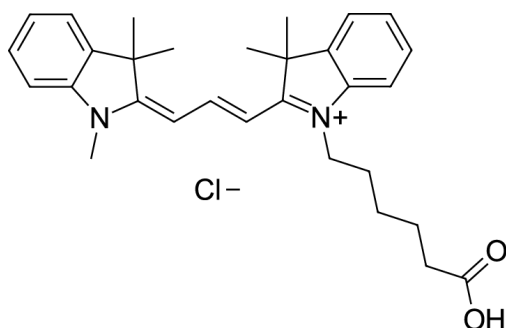
Solubility soluble in organic solvents (DMF, DMSO, dichloromethane), poorly soluble in water (1.8 g/L = 4.0 mM)

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. 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

Free Cyanine3 carboxylic acid (Cy3@ carboxylic acid analog), non-activated dye. Non-sulfonated reagent, with good solubility in organic solvents, and limited aqueous solubility. The dye can be used as a non-reactive fluorophore, for control experiments, and for calibration.

For coupling with amines, and labeling, consider using [Cyanine3 NHS ester](#), or water-soluble [sulfo-Cyanine3 NHS ester](#).

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

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