

Cy3 maleimide chloride

Chemical Properties

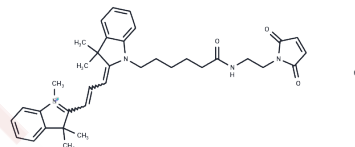
CAS No. : 1838643-41-6

Formula: C₃₆H₄₃ClN₄O₃

Molecular Weight: 615.2

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Cy3 maleimide chloride is a Cyanine 3 (Cy3) dye derivative that includes maleimide functional groups. Cy3 exhibits fluorescence in the green to orange wavelength range. The alkyne group in Cy3 maleimide chloride facilitates a "thiol-acrylamide" reaction with sulfur-oxygen functional groups to create covalent bonds. It can attach to biological molecules like proteins and antibodies, enabling the tracking of their location and dynamic changes in biological samples.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6255 mL	8.1274 mL	16.2549 mL
5 mM	0.3251 mL	1.6255 mL	3.251 mL
10 mM	0.1625 mL	0.8127 mL	1.6255 mL
50 mM	0.0325 mL	0.1625 mL	0.3251 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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