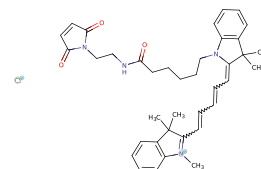


Cy5 maleimide

Chemical Properties

CAS No. :	1437796-65-0
Formula:	C ₃₈ H ₄₅ ClN ₄ O ₃
Molecular Weight:	641.24
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cy5 maleimide, a CY dye where CY represents Cyanine, comprises two nitrogen atoms linked by an odd number of methyl groups. Characteristics of Cyanine compounds include long wavelength, tunable absorption and emission, high extinction coefficient, favorable water solubility, and straightforward synthesis [1]. Commonly utilized in the labeling of proteins, antibodies, and small molecular compounds, CY dyes facilitate the attachment to protein antibodies via a simple mixing reaction, a method that holds notable reference value [2]. Storage recommendation: protect from light.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5595 mL	7.7974 mL	15.5948 mL
5 mM	0.3119 mL	1.5595 mL	3.119 mL
10 mM	0.1559 mL	0.7797 mL	1.5595 mL
50 mM	0.0312 mL	0.1559 mL	0.3119 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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