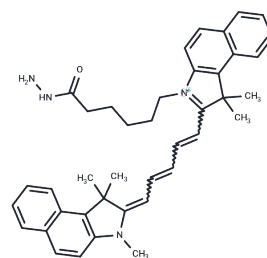


Cyanine5.5 hydrazide

Chemical Properties

CAS No. :	2280971-80-2
Formula:	C40H45N4O
Molecular Weight:	597.81
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Cyanine5.5 hydrazide is a far-infrared fluorescent dye containing a hydrazine (-NHNH ₂) functional group. It can undergo condensation reaction with biological molecules containing carbonyl (-CO-) to form a stable hydrazone bond (-CO-NHNH-CO-). It is suitable for labeling biological molecules such as proteins and polysaccharides, and is widely used in the fields of biological imaging and analysis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6728 mL	8.3639 mL	16.7277 mL
5 mM	0.3346 mL	1.6728 mL	3.3455 mL
10 mM	0.1673 mL	0.8364 mL	1.6728 mL
50 mM	0.0335 mL	0.1673 mL	0.3346 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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