

Near-IR fluorescent probe-1

Chemical Properties

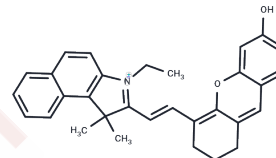
CAS No. : 1836131-69-1

Formula: C₃₁H₃₀INO₂

Molecular Weight: 575.48

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	Near-IR fluorescent probe-1 represents a versatile dye employed extensively across various scientific and industrial sectors. As vital tools in biological experiments, dyes facilitate the observation and analysis of cell structures, tracking of biomolecules, evaluation of cell functions, differentiation of cell types, detection of biomolecules, tissue pathology studies, and microorganism monitoring. Their utility spans from fundamental research to a broad spectrum of clinical diagnostics. Additionally, dyes find application in classic industries like textile dyeing and are progressively being utilized in innovative areas including functional textile processing, food coloring, and dye-sensitized solar cells.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7377 mL	8.6884 mL	17.3768 mL
5 mM	0.3475 mL	1.7377 mL	3.4754 mL
10 mM	0.1738 mL	0.8688 mL	1.7377 mL
50 mM	0.0348 mL	0.1738 mL	0.3475 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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