

CellTracker Orange CMRA Dye

Chemical Properties

CAS No. : 3031711-06-2

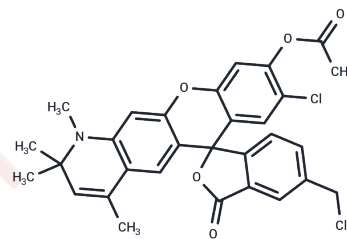
Formula: C₃₀H₂₅Cl₂N₅O₅

Molecular Weight: 550.43

Storage: Keep away from direct sunlight

Store at -20°C

Actual storage temperature shall be subject to the COA.



Biological Description

Description	CellTracker Orange CMRA Dye is a fluorescent dye used for cell imaging and tracking cell movement and location.
Targets(IC50)	Others
In vitro	<p>CellTracker Orange CMRA Dye Cell Viability Assay: Begin by adding 5 μM dye to each sample, maintaining a temperature of 27-33°C for 30 minutes to label the samples. Next, centrifuge the cells at 1000 g for 10 minutes, then resuspend the cell pellet in pre-warmed 10% iFCS RPMI at a concentration of 3*10⁷ cells/mL. Incubate the cells again at 27-33°C for another 30 minutes. Following this, centrifuge at 1000 g for 10 minutes and wash with pre-warmed PBS without Ca 2+ and Mg 2+. Centrifuge once more at 1000 g for 10 minutes and resuspend the cells in pre-warmed 10% iFCS RPMI. Finally, measure the fluorescence intensity with an excitation of 548 nm and emission of 576 nm.</p> <p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <p>The above information is based on published literature. Experimental procedures should be appropriately modified to meet specific research demands.</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8168 mL	9.0838 mL	18.1676 mL
5 mM	0.3634 mL	1.8168 mL	3.6335 mL
10 mM	0.1817 mL	0.9084 mL	1.8168 mL
50 mM	0.0363 mL	0.1817 mL	0.3634 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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