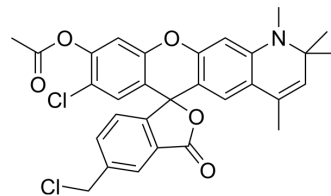


CellTracker Orange CMRA Dye

Cat. No.:	HY-D1569
Molecular Formula:	C ₃₀ H ₂₅ Cl ₂ NO ₅
Molecular Weight:	550.43
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CellTracker Orange CMRA Dye is a fluorescent dye. CellTracker Orange CMRA Dye can be used for cell imaging and monitoring the movement and location of cells ^[1] .
In Vitro	<p>Guidelines (Following is our recommended protocol. This protocol only provides a guideline, and should be modified according to your specific needs).</p> <p>Cell viability assay^[1]:</p> <ol style="list-style-type: none"> 1. Adds 5 μM CellTracker Orange CMRA Dye to each sample at 27-33°C for 30 min to label sample. 2. Centrifuges cells 1000 g for 10 min, resuspends cell pellet in pre-warmed 10% iFCS RPMI (3*10⁷cells/ml). 3. Incubates cells at 27-33°C for 30 min. 4. Centrifuges cells 1000 g for 10 min and wash with pre-warmed PBS without Ca²⁺ and Mg²⁺. 5. Centrifuges cells 1000 g for 10 min and cells resuspends in pre-warmed 10% iFCS RPMI. 6. Measure fluorescence intensity (Ex=548 nm, Em=576 nm). <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. Dagley MJ, et al. High-content assay for measuring intracellular growth of Leishmania in human macrophages. Assay Drug Dev Technol. 2015 Sep;13(7):389-401.

Caution: Product has not been fully validated for medical applications. For research use only.

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