

Lumiprobe Corporation

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USA

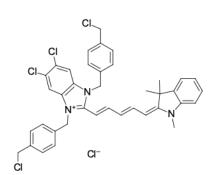
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LumiTracker® Mito Red FM

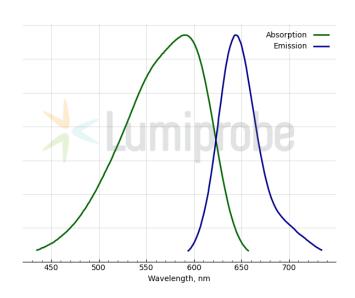
http://www.lumiprobe.com/p/mitotracker-red-fm

LumiTracker Mito Red FM is a cationic, red-fluorescent dye that stains mitochondria in live cells. The dye passively diffuses across the plasma membrane and selectively accumulates in active mitochondria based on their membrane potential; therefore, it is often used to assess cells' health and as a dye for mitochondrial localization.

The fluorescence of LumiTracker Mito Red FM disappears after fixation with aldehydes, so this dye is only suitable for working with living cells.



Structure of LumiTracker Mito Red FM



Absorption and emission spectra of LumiTracker Mito Red FM

General properties

Appearance: dark golden solid

Molecular weight: 724.00 Molecular formula: $C_{39}H_{36}CI_5N_3$

Quality control: NMR ¹H and HPLC-MS (95+%)

Storage conditions: 24 months after receival at -20°C in the dark. Transportation: at room temperature

for up to 3 weeks. Desiccate.

Legal statement: Product is offered and sold for research purposes only. Product is not tested for safety

and efficacy in food, drug, medical device, cosmetic, no express or implied authorization to use for any other purpose, including, without limitation, in vitro

diagnostic purposes, for humans or animals or for commercial purposes.

Spectral properties