

Lumiprobe Corporation

115 Airport Dr Suite 160 Westminster, Maryland 21157

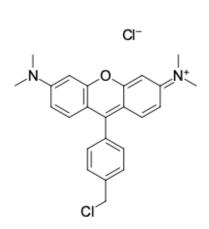
USA

Phone: +1 888 973 6353 Fax: +1 888 973 6354 Email: order@lumiprobe.com

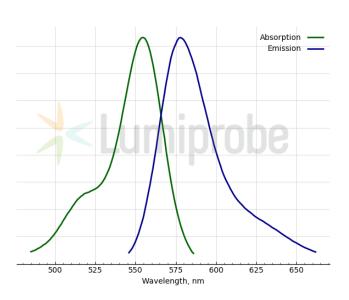
LumiTracker® Mito Orange CMTMRos

http://www.lumiprobe.com/p/mitotracker-orange-cmtmros

LumiTracker Mito Orange CMTMRos is a cationic, orange-fluorescent dye for staining active mitochondria in live cells. CMTMRos is a hydrophobic compound that passively diffuses across the plasma membrane and selectively accumulates in active mitochondria based on their membrane potential. LumiTracker Mito Orange CMTMRos is compatible with aldehyde fixation. This dye is useful to indicate cell health as well as for mitochondria localization.



Structure of Mito Orange CMTMRos



Absorption and emission spectra of LumiTracker Mito Orange CMTMRos

General properties

Appearance: black crystals Molecular weight: 427.38 CAS number: 199116-50-2 Molecular formula: $C_{24}H_{24}Cl_2N_2O$

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: This Product is offered and sold for research purposes only. It has not been tested for

safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food

or pharmaceutical products, in medical devices or in cosmetic products.

Spectral properties

Excitation/absorption maximum, nm: 555 ϵ , L·mol $^{-1}$ ·cm $^{-1}$: 100000 Emission maximum, nm: 578 Fluorescence quantum yield: 0.64