



CERTIFICATE OF ANALYSIS

Catalog Number C042
Product Name MitoRed™ CMXRos, 1 mg/mL in DMSO
CAS Number 167095-09-2
Molecular Formula C₃₂H₃₂Cl₂N₂O
Molecular Weight 531.52
Appearance purple solution
Lot Number AB3209

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	578 nm 111,000 cm ⁻¹ M ⁻¹	578 ± 3 nm 117,000 ± 8,000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	600 nm	600 ± 4 nm
HPLC Purity	95 % at 578 nm	≥ 90 % at 578 nm
NMR Result	meets specification	consistent with structure

1. Solvent: Methanol.