

Catalog Number C34552
Product Name CellTracker™ Red CMTPX *special packaging*
Molecular Formula $C_{42}H_{40}ClN_3O_4$
Molecular Weight 686.25
Appearance blue solid
Lot Number 1672224

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	577 nm 107000 cm ⁻¹ M ⁻¹	577 ± 3 nm 103000 ± 8000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	603 nm	602 ± 4 nm
HPLC Purity	87 % at 254 nm	≥ 80 % at 254 nm
HPLC ² Result	meets specification	corresponds to expected molecular weight
NMR Result	meets specification	consistent with structure
Miscellaneous Information Material Lot Number	1484619	N/A

1. Solvent: Methanol.

2. Method: Standard LCMS.


Rachel Smith, Ph.D., Quality Assurance

24-Mar-2014

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, certifies on the date above that this is an accurate record of the analysis of the subject lot and that the data conform to the specifications in effect for this product at the time of analysis.