

MOLECULAR PROBES®

CERTIFICATE OF ANALYSIS

Catalog Number C34551
Product Name CellTracker™ Orange CMRA *special packaging*
Molecular Formula $C_{30}H_{25}Cl_2NO_5$
Molecular Weight 550.44
Appearance off-white solid
Lot Number 1754474

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	349 nm 6200 cm ⁻¹ M ⁻¹	348 ± 3 nm 6100 ± 700 cm ⁻¹ M ⁻¹
Fluorescence ² Background	15 ppm	≤ 250 ppm
HPLC ³ Purity	99 % at 254 nm	≥ 90 % at 254 nm
HPLC ⁴ Result	meets specification	corresponds to expected molecular weight
Miscellaneous Information Material Lot Number	1412304	N/A

1. Solvent: Acetonitrile.

2. Solvent: Acetonitrile. Method: Background vs. Reference. Ref: cleaved product, Ex @ 544 nm, Em @ 572 nm.

3. Method: Purity value represents summation of the areas of individual isomers.

4. Method: Standard LCMS.



Rachel Smith, Ph.D., Quality Assurance

10-Oct-2013

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.