

Catalog Number C2927
Product Name CellTracker™ Orange CMTMR (5-(and-6)-((4-chloromethyl)benzoyl)amino)tetramethylrhodamine) *mixed isomers*
CAS Number / Name 323192-14-9 / Xanthylium, 9-[2-carboxy-4(or 5)-[[4-(chloromethyl)benzoyl]amino]phenyl]-3,6-bis(dimethylamino)-, inner salt
Molecular Formula C₃₂H₂₈ClN₃O₄
Molecular Weight 554.04
Appearance purple solid
Lot Number 1154116

	LOT DATA	SPECIFICATION
Absorption ¹		
Maximum	540 nm	540 ± 3 nm
Extinction	99000 cm ⁻¹ M ⁻¹	102000 ± 12000 cm ⁻¹ M ⁻¹
Fluorescence ¹		
Emission Maximum	565 nm	566 ± 4 nm
HPLC ²		
Purity	89 % at 254 nm	≥ 85 % at 254 nm
NMR		
Result	meets specification	consistent with structure
Miscellaneous Information		
Material Lot Number	527421	N/A

1. Solvent: Methanol.

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

Betty Wood

Betty Wood, Quality Assurance Manager

22-Jun-2012

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.