

**Catalog Number** C7001  
**Product Name** CellTracker™ CM-Dil  
**CAS Number / Name** 180854-97-1 / 3H-Indolium, 5-[[[4-(chloromethyl)benzoyl]amino]methyl]-2-[3-(1,3-dihydro-3,3-dimethyl-1-octadecyl-2H-indol-2-ylidene)-1-propenyl]-3,3-dimethyl-1-octadecyl-, chloride  
**Molecular Formula** C<sub>68</sub>H<sub>105</sub>Cl<sub>2</sub>N<sub>3</sub>O  
**Molecular Weight** 1051.5  
**Appearance** purple solid  
**Lot Number** 2053467

	LOT DATA	SPECIFICATION
<b>Absorption</b> <sup>1</sup> Maximum Extinction	554 nm 128000 cm <sup>-1</sup> M <sup>-1</sup>	553 ± 3 nm 138000 ± 10000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence</b> <sup>1</sup> Emission Maximum	568 nm	570 ± 4 nm
<b>HPLC</b> Purity	99 % at 553 nm	≥ 95 % at 553 nm
<b>NMR</b> Result	meets specification	consistent with structure
<b>Miscellaneous Information</b> Material Lot Number	1942635	N/A

1. Solvent: Methanol.



Rachel Smith, Quality Assurance Manager  
09-Feb-2018

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.