

Catalog Number D3911
Product Name 'DiI'; DiIC₁₈(3) (1,1'-dioctadecyl-3,3,3',3'-tetramethylindocarbocyanine perchlorate)
*crystalline
CAS Number / Name 41085-99-8 / 3H-Indolium, 2-(3-(1,3-dihydro-3,3-dimethyl-1-octadecyl-2H-indol-2-ylidene)-1-propenyl)-3,3-dimethyl-1-octadecyl-, perchlorate
Molecular Formula C₅₉H₉₇ClN₂O₄
Molecular Weight 933.88
Appearance purple solid
Lot Number 2068273

	LOT DATA	SPECIFICATION
Absorption ¹		
Maximum	549 nm	549 ± 3 nm
Extinction	142000 cm ⁻¹ M ⁻¹	143000 ± 10000 cm ⁻¹ M ⁻¹
Fluorescence ¹		
Emission Maximum	565 nm	564 ± 4 nm
HPLC		
Purity	99 % at 549 nm	≥ 90 % at 549 nm
NMR		
Result	meets specification	consistent with structure
Miscellaneous Information		
Material Lot Number	1983406	N/A

1. Solvent: Methanol.



Rachel Smith, Quality Assurance Manager

30-Apr-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.