



CERTIFICATE OF ANALYSIS

Catalog Number C019
Product Name 'DiR'; DiIC₁₈(7)
(1,1'-dioctadecyl-3,3,3',3'-tetramethylindotricarbocyanine, iodide)
Appearance blue/green solid
Lot Number AB3195

	LOT DATA	SPECIFICATION
Absorption ¹ Maximum Extinction	748 nm 263,000 cm ⁻¹ M ⁻¹	748 ± 4 nm 270,000 ± 20,000 cm ⁻¹ M ⁻¹
Fluorescence ¹ Emission Maximum	775 nm	776 ± 4 nm
HPLC Purity	96 % at 750 nm	≥ 95 % at 750 nm
NMR Result	meets specification	consistent with structure

1. Solvent: Methanol.