

**Catalog Number** D14730  
**Product Name** DiOC<sub>2</sub>(3) (3,3'-diethyloxacarbocyanine iodide)  
**Appearance** red solid  
**Lot Number** 2738363

|   | LOT DATA  | SPECIFICATION   |
|---|---|---|
| <b>Absorption</b> <sup>1</sup><br>Maximum<br>Extinction | 483 nm<br>149900 cm <sup>-1</sup> M <sup>-1</sup> | 482 ± 3 nm<br>160000 ± 12500 cm <sup>-1</sup> M <sup>-1</sup> |
| <b>Fluorescence</b> <sup>1</sup><br>Emission Maximum    | 497 nm  | 497 ± 4 nm  |
| <b>HPLC</b><br>Purity                                   | 98 % at 485 nm                                    | ≥ 95 % at 485 nm  |
| <b>NMR</b><br>Result                                    | meets specification                               | consistent with structure                                     |
| <b>Miscellaneous Information</b><br>Material Lot Number | 2718885   | n.a.  |

1. Solvent: Methanol



Zach Luedtke, Quality Assurance Manager  
20-Sep-2023

Life Technologies Corporation 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.