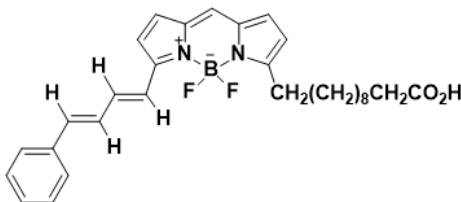


| Certificate of Analysis (C of A) | | | |
|--|--|---|---|
| Name: | EverFluor 581/591 C11 (Lipid Peroxidation Sensor) BODIPY® 581/591 C11 (Lipid Peroxidation Sensor) | | |
| Catalog Number: | 7990 | Lot: | 51580 |
| CAS Number: | 217075-36-0 | Formula: | C ₃₀ H ₃₅ BF ₂ N ₂ O ₂ |
| Molecular Weight: | 504.42 (g/mol) | | |
| | | | |
| | Observed | Standard | |
| HPLC Purity: | 99% at 582 nm | ≥ 95% at 582 nm | |
| Absorption (Methanol) | | | |
| Wavelength (λ_{max}): | 581 nm | 582 ± 3 nm | |
| Extinction: | Set 139,000 cm ⁻¹ M ⁻¹ | Set 139,000 ± 10,000 cm ⁻¹ M ⁻¹ | |
| Fluorescence (Methanol) | | | |
| Emission Max: | 592 nm | 591 ± 4 nm | |
| TLC Purity: | > 99% | ≥ 95% | |
| TLC System: | 90:10 Chloroform / Methanol | | |
| Storage: | Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L) | | |
| Production Lot: | 16122 | Release: | 14-Mar-2019 |
| | | Expiration: | 14-Mar-2029 |
| Structure: |  | | |

This data reflects the accuracy of the analysis of the subject lot
 For research use only. Not for human use. No animal source.
 This material is chemically synthesized and manufactured in the USA

Approved by: Dianna M Wineinger
 Analytical Services Manager

Date: 14-Mar-2019

Signature: Dianna M. Wineinger