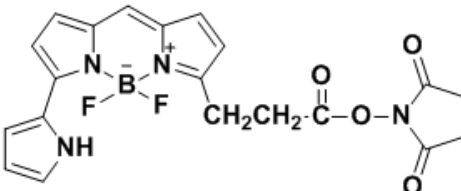


Certificate of Analysis (C of A)					
Name:		EverFluor 576/589, SE 4,4-Difluoro-5-(2-pyrrolyl)-4-bora-3a,4a-diaza-s-indacene-3-propionic acid, Succinimidyl Ester			
Catalog Number:		7365	Lot:		52322
CAS Number:		N/A	Formula:		C <sub>20</sub> H <sub>17</sub> BF <sub>2</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:		426.18 (g/mol)			
	Observed		Standard		
HPLC Purity:		99% at 576 nm	≥ 95% at 576 nm		
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):		576 nm	576 ± 3 nm		
Extinction:		88,400 cm <sup>-1</sup> M <sup>-1</sup>	86,000 ± 6,000 cm <sup>-1</sup> M <sup>-1</sup>		
Fluorescence (Methanol)					
Emission Max:		588 nm	589 ± 4 nm		
TLC Purity:		> 99%	≥ 95%		
TLC System:		95:5 Chloroform / Methanol			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		16312	Release:	03-Mar-2020	Expiration: 03-Mar-2025
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:** 03-Mar-2020

**Signature:** 