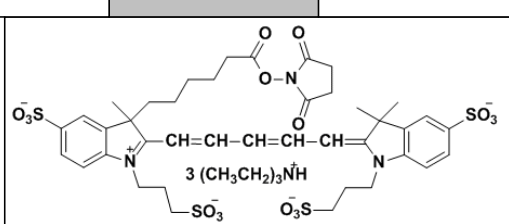


<b>Certificate of Analysis</b> (C of A)					
<b>Name:</b>	<b>BF 647, SE</b> <b>Bella Fluor 647 NHS Ester (Succinimidyl Ester)</b>				
<b>Catalog Number:</b>	7777		<b>Lot:</b>	51272	
<b>CAS Number:</b>	N/A		<b>Formula:</b>	C <sub>58</sub> H <sub>94</sub> N <sub>6</sub> O <sub>16</sub> S <sub>4</sub>	
<b>Molecular Weight:</b>	1269.56 (g/mol)				
	<b>Observed</b>		<b>Standard</b>		
<b>HPLC Purity:</b>	96% at 647 nm		≥ 90% at 647 nm		
<b>Absorption (Methanol)</b>					
<b>Wavelength (λ<sub>max</sub>):</b>	651 nm		651 ± 3 nm		
<b>Extinction:</b>	257,600 cm <sup>-1</sup> M <sup>-1</sup>		270,000 ± 20,000 cm <sup>-1</sup> M <sup>-1</sup>		
<b>Fluorescence (Methanol)</b>					
<b>Emission Max:</b>	670 nm		672 ± 4 nm		
<b>Storage:</b>	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
<b>Production Lot:</b>	15127	<b>Release:</b>	29-Oct-2020	<b>Expiration:</b>	29-Oct-2025
<b>Structure:</b>					

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:** 29-Oct-2020

**Signature:** 