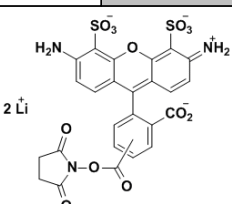


<b>Certificate of Analysis</b> (C of A)					
<b>Name:</b>	<b>BF 488 5(6)-Acid, SE, 2Li</b> Bella Fluor 488 5(6)-carboxylic acid, Succinimidyl Ester, Dillithium Salt				
<b>Catalog Number:</b>	8050	<b>Lot:</b>	51633		
<b>CAS Number:</b>	222164-96-7	<b>Formula:</b>	C <sub>25</sub> H <sub>15</sub> Li <sub>2</sub> N <sub>3</sub> O <sub>13</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	643.41 (g/mol)				
	<b>Observed</b>	<b>Standard</b>			
<b>HPLC Purity:</b>	79% at 254 nm	≥ 50% at 254 nm			
<b>Absorption (Buffer pH 7)</b>					
<b>Wavelength (λ<sub>max</sub>):</b>	494 nm	493 ± 3 nm			
<b>Extinction:</b>	Set 75,000 cm <sup>-1</sup> M <sup>-1</sup>	Set 75,000 ± 7,000 cm <sup>-1</sup> M <sup>-1</sup>			
<b>Fluorescence (Buffer pH 7)</b>					
<b>Emission Max:</b>	518 nm	518 ± 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>	16157	<b>Release:</b>	05-Jun-2019	<b>Expiration:</b>	05-Jun-2024
<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:** 05-Jun-2019

**Signature:** 