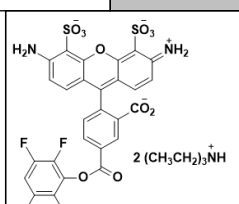


Certificate of Analysis (C of A)					
Name:		BF 488 5-TFP Ester *5-Isomer* Bella Fluor 488 5-TFP Ester *5-Isomer*			
Catalog Number:		8006	Lot:		51964
CAS Number:		N/A	Formula:		C <sub>39</sub> H <sub>44</sub> F <sub>4</sub> N <sub>4</sub> O <sub>11</sub> S <sub>2</sub>
Molecular Weight:		884.91 (g/mol)			
	Observed		Standard		
HPLC Purity:		82% at 254 nm	≥ 50% at 254 nm		
Absorption (Buffer pH 7)					
Wavelength (λ <sub>max</sub> ):		494 nm	494 ± 3 nm		
Extinction:		Set 80,000 cm <sup>-1</sup> M <sup>-1</sup>	Set 80,000 ± N/A cm <sup>-1</sup> M <sup>-1</sup>		
Fluorescence (Buffer pH 7)					
Emission Max:		522 nm	520 ± 4 nm		
TLC Purity:		> 95%	≥ 50%		
TLC System:		80:20 Acetonitrile / Water			
HPLC: Isomer purity		99% single isomer	>97% single isomer		
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		15976	Release:	29-Jan-2018	Expiration: 29-Jan-2023
Structure:		<div></div>			

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-Jan-2018

**Signature:** 