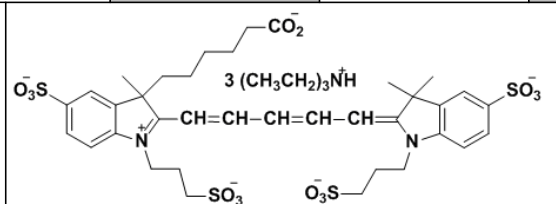


Certificate of Analysis (C of A)					
Name:		BF 647 Carboxylic Acid, TEA Salt Bella Fluor 647 Carboxylic Acid, tris(triethylammonium) salt			
Catalog Number:		7773	Lot:		51821
CAS Number:		N/A	Formula:		C ₅₄ H ₉₀ N ₅ O ₁₄ S ₄
Molecular Weight:		1161.58 (g/mol)			
	Observed		Standard		
HPLC Purity:		99% at 647 nm	≥ 95% at 647 nm		
Absorption (Methanol)					
Wavelength (λ _{max}):		651 nm	651 ± 3 nm		
Extinction:		273,000 cm ⁻¹ M ⁻¹	270,000 ± 20,000 cm ⁻¹ M ⁻¹		
Fluorescence (Methanol)					
Emission Max:		670 nm	672 ± 4 nm		
TLC Purity:		> 99%	≥ 95%		
TLC System:		80:20 Acetonitrile / Water			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		15124	Release:	21-Dec-2015	Expiration: 21-Dec-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: 21-Dec-2015

Signature: 