SETAREH BIOTECH
LITE OF INNOVATION

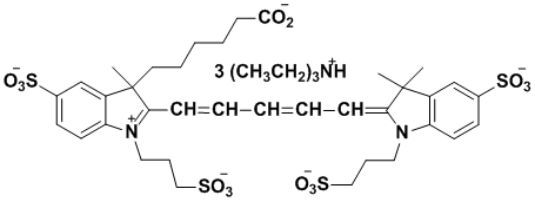
Certificate of Analysis
(C of A)

Name:	**BF 647 Carboxylic Acid, TEA Salt** **Bella Fluor 647 Carboxylic Acid, tris(triethylammonium) salt**		
Catalog Number:	7773	Lot:	52077
CAS Number:	N/A	Formula:	$C_{54}H_{90}N_5O_{14}S_4$
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 **Date:** 21-Dec-2015
Analytical Services Manager

Signature: Dianna M Wineinger

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