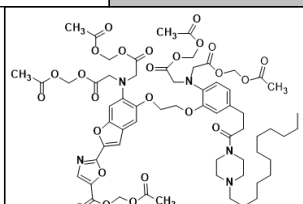


<b>Certificate of Analysis</b> (C of A)					
Name:	FFP-18(AM)				
Catalog Number:	8154		Lot:	52006	
CAS Number:	N/A		Formula:	C <sub>62</sub> H <sub>81</sub> N <sub>5</sub> O <sub>25</sub>	
Molecular Weight:	1296.33 (g/mol)				
	<b>Observed</b>		<b>Standard</b>		
<b>Absorption (Ethyl acetate)</b>					
Wavelength ( $\lambda_{max}$ ):	372 nm		370 $\pm$ 3 nm		
Extinction:	26,700 cm <sup>-1</sup> M <sup>-1</sup>		28,000 $\pm$ 2,000 cm <sup>-1</sup> M <sup>-1</sup>		
<b>Fluorescence (Ethyl acetate)</b>					
Emission Max:	478 nm		478 $\pm$ 4 nm		
TLC Purity:	> 99%		$\geq$ 95%		
TLC System:	95:5 Chloroform / Methanol				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot:	15766	Release:	28-Apr-2017	Expiration:	28-Apr-2027
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:** 28-Apr-2017

**Signature:** 