

Certificate of Analysis							
Name:	CNF, SE *Mixed Isomers* 5(6)-Carboxynaphthofluorescein , succinimidyl ester						
Catalog Number:	6964	Lot: 51189					
CAS Number:	150347-58-3	Formula: C <sub>33</sub> H <sub>19</sub> NO <sub>9</sub>					
Molecular Weight:	573.51 (g/mol)						
-	Observed	Standard					
HPLC Purity:	95% at 254 nm		≥ 90% at 254 nm				
Absorption (Buffer pH10)							
Wavelength ( $\lambda_{max}$ ):	602 nm		602 ± 3 nm				
Extinction:	47,500 cm <sup>-1</sup> M <sup>-1</sup>		48,000 ± 4,000 cm <sup>-1</sup> M <sup>-1</sup>		<sup>1</sup> M <sup>-1</sup>		
TLC Purity:	> 98%		≥ 90%				
TLC System:	90:10 Chloroform / Me	thanol					
Storage:	Freeze: Store at -5 to -30°C ( <b>F</b> ), Protect from moisture ( <b>D</b> ), Protect from light ( <b>L</b> )						
Production Lot: 119	952 Release:	01-Jul-201	4 Exp	oiration:	01-Jul-2019		
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:	01-Jul-2014
	Analytical Services Manager		
Signature:	Dianna M Wineu	<u>nger</u>	