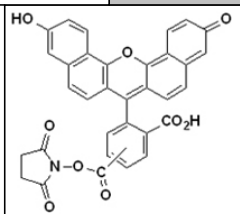


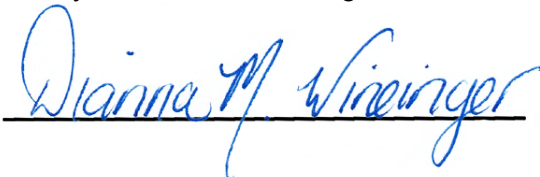
**Certificate of Analysis**  
(C of A)

Name:	<b>CNF, SE *Mixed Isomers*</b> 5(6)-Carboxynaphthofluorescein , succinimidyl ester				
Catalog Number:	6964	Lot:	51328		
CAS Number:	150347-58-3	Formula:	C <sub>33</sub> H <sub>19</sub> NO <sub>9</sub>		
Molecular Weight:	573.51 (g/mol)				
	<b>Observed</b>		<b>Standard</b>		
HPLC Purity:	95% at 254 nm		≥ 90% at 254 nm		
<b>Absorption (Buffer pH10)</b>					
Wavelength (λ <sub>max</sub> ):	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>		
TLC Purity:	> 98%		≥ 90%		
TLC System:	90:10 Chloroform / Methanol				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot:	11952	Release:	01-Jul-2014	Expiration:	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  
Analytical Services Manager

**Date:** 01-Jul-2014

**Signature:** 

**Date:** 09-Dec-2022