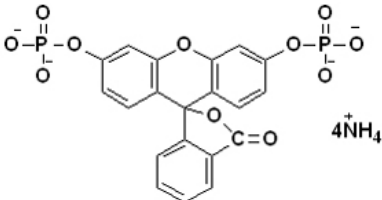


## Certificate of Analysis

(C of A)

Name:	FDP Fluorescein diphosphate, tetraammonium salt				
Catalog Number:	7011	Lot:	52151		
CAS Number:	217305-49-2	Formula:	C <sub>20</sub> H <sub>26</sub> N <sub>4</sub> O <sub>11</sub> P <sub>2</sub>		
Molecular Weight:	560.39 (g/mol)				
	Observed	Standard			
HPLC Purity:	94% at 254 nm	≥ 90% at 254 nm			
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):	272 nm	272 ± 3 nm			
Extinction:	5,900 cm <sup>-1</sup> M <sup>-1</sup>	5,500 ± 500 cm <sup>-1</sup> M <sup>-1</sup>			
TLC Purity:	> 98%	≥ 90%			
TLC System:	60:40 Acetonitrile / Water				
Fluor Bkgd:	<10 ppm at 519nm	< 500 ppm			
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot:	14334	Release:	08-Oct-2019	Expiration:	08-Oct-2024
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:** 08-Oct-2019

**Signature:**

*Dianna M. Wineinger*