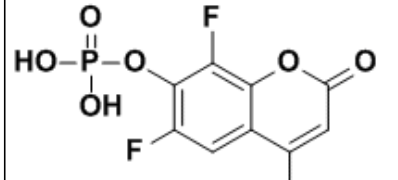


<b>Certificate of Analysis</b> (C of A)					
<b>Name:</b>	<b>Ocean Blue Phosphate [DiFMUP]</b> 6,8-Difluoro-4-Methylumbelliferyl Phosphate				
<b>Catalog Number:</b>	7647	<b>Lot:</b>	51371		
<b>CAS Number:</b>	214491-43-7	<b>Formula:</b>	C <sub>10</sub> H <sub>7</sub> F <sub>2</sub> O <sub>6</sub> P		
<b>Molecular Weight:</b>	292.13 (g/mol)				
	<b>Observed</b>	<b>Standard</b>			
<b>HPLC Purity:</b>	99% at 254 nm		≥ 95% at 254 nm		
<b>Absorption (Buffer pH 10)</b>					
<b>Wavelength (λ<sub>max</sub>):</b>	316 nm		315 ± 3 nm		
<b>Extinction:</b>	7,900 cm <sup>-1</sup> M <sup>-1</sup>		8,500 ± 800 cm <sup>-1</sup> M <sup>-1</sup>		
<b>TLC Purity:</b>	> 99%		≥ 95%		
<b>TLC System:</b>	80:20 Acetonitrile / Water				
<b>Storage:</b>	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
<b>Production Lot:</b>	14874	<b>Release:</b>	29-Oct-2020	<b>Expiration:</b>	29-Oct-2025
<b>Structure:</b>					

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:** 29-Oct-2020

**Signature:** 