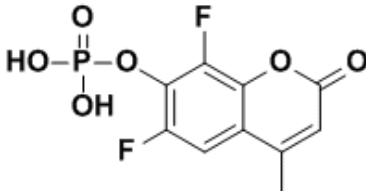


Certificate of Analysis (C of A)					
Name:	Ocean Blue Phosphate [DiFMUP] 6,8-Difluoro-4-Methylumbelliferyl Phosphate				
Catalog Number:	7647		Lot:	51593	
CAS Number:	214491-43-7		Formula:	C <sub>10</sub> H <sub>7</sub> F <sub>2</sub> O <sub>6</sub> P	
Molecular Weight:	292.13 (g/mol)				
	<b>Observed</b>		<b>Standard</b>		
HPLC Purity:	99% at 254 nm		≥ 95% at 254 nm		
<b>Absorption (Buffer pH 10)</b>					
Wavelength (λ <sub>max</sub> ):	316 nm		315 ± 3 nm		
Extinction:	7,900 cm <sup>-1</sup> M <sup>-1</sup>		8,500 ± 800 cm <sup>-1</sup> M <sup>-1</sup>		
TLC Purity:	> 99%		≥ 95%		
TLC System:	80:20 Acetonitrile / Water				
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)				
Production Lot:	14874	Release:	29-Oct-2020	Expiration:	23-Apr-2020
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:** 29-Oct-2020

**Signature:** 