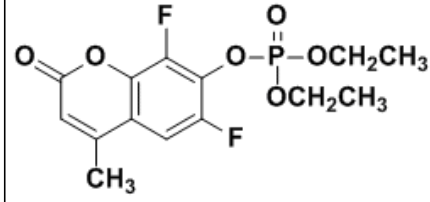
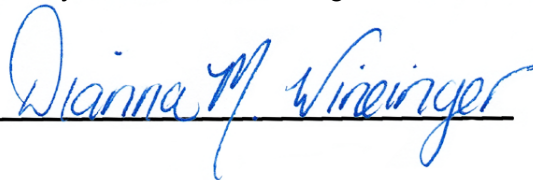


Certificate of Analysis (C of A)											
Name:		DEPFMU [DIFMUP, Diethyl Ester] Diethylphospho-6,8-difluoro-4-methyl-umbelliferone									
Catalog Number:	7643	Lot:		50736							
CAS Number:	N/A	Formula:		C ₁₄ H ₁₅ F ₂ O ₆ P							
Molecular Weight:	348.24 (g/mol)										
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 35%;">Observed</th> <th style="width: 35%;">Standard</th> </tr> </thead> <tbody> <tr> <td>HPLC Purity:</td> <td>99% at 254 nm</td> <td>≥ 95% at 254 nm</td> </tr> </tbody> </table>							Observed	Standard	HPLC Purity:	99% at 254 nm	≥ 95% at 254 nm
	Observed	Standard									
HPLC Purity:	99% at 254 nm	≥ 95% at 254 nm									
Absorption (Methanol)											
Wavelength (λ _{max}):		313 nm		312 ± 3 nm							
Extinction:		5,700 cm ⁻¹ M ⁻¹		6,200 ± 600 cm ⁻¹ M ⁻¹							
TLC Purity:		> 99%		≥ 95%							
TLC System:		1:1 Hexane/ Ethyl acetate									
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)									
Production Lot:	14928	Release:	26-May-2015	Expiration:	26-May-2025						
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: 26-May-2015

Signature: 

Date: 02-Dec-2022