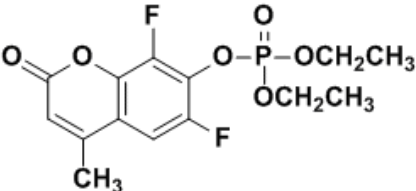


Certificate of Analysis (C of A)					
Name:	DEPFMU [DIFMUP, Diethyl Ester] Diethylphospho-6,8-difluoro-4-methyl-umbelliferone				
Catalog Number:	7643		Lot:	52391	
CAS Number:	N/A		Formula:	C ₁₄ H ₁₅ F ₂ O ₆ P	
Molecular Weight:	348.24 (g/mol)				
	Observed	Standard			
HPLC Purity:	99% at 254 nm		≥ 95% 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: Dianna M Wineinger