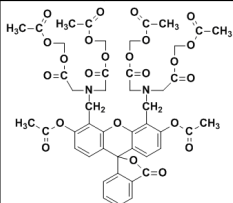


Certificate of Analysis (C of A)					
Name:		Calcein, AM			
Catalog Number:		7077	Lot:		50616
CAS Number:		148504-34-1	Formula:		C ₄₆ H ₄₆ N ₂ O ₂₃
Molecular Weight:		994.87 (g/mol)	Appearance:		White Solid
		Observed	Standard		
HPLC Purity:		88% at 254 nm	≥ 80% at 254 nm		
Absorption (Methanol)					
Wavelength (λ _{max}):		284 nm	283 ± 3 nm		
Extinction:		5,000 cm ⁻¹ M ⁻¹	5,500 ± 500 cm ⁻¹ M ⁻¹		
TLC Purity:		> 98%	≥ 80%		
TLC System:		60:40 Ethyl acetate / Hexane			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		14645	Release:	02-Dec-2014	Expiration: 02-Dec-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: 02-Dec-2014

Signature: 