SETAREH BIOTECH
LITE OF INNOVATION

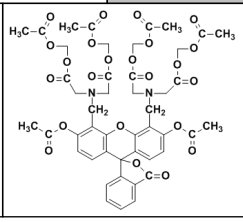
Certificate of Analysis
(C of A)

Name:	**Calcein, AM**		
Catalog Number:	7077	Lot:	52198
CAS Number:	148504-34-1	Formula:	$C_{46}H_{46}N_2O_{23}$
Molecular Weight:	994.87 (g/mol)	Appearance:	White Solid

	Observed	**Standard**
HPLC Purity:	94% at 254 nm	≥ 80% at 254 nm
Absorption (Methanol)		
Wavelength (λ_{max}):	283 nm	283 ± 3 nm
Extinction:	5,100 $cm^{-1}M^{-1}$	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:	14643	Release:	06-Apr-2020	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 **Date:** 06-Apr-2020
Analytical Services Manager

Signature: Dianna M Wineinger

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