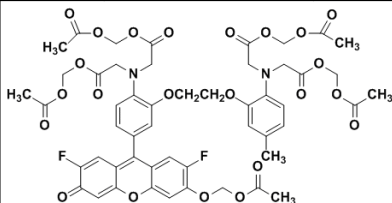


Certificate of Analysis (C of A)					
Name:		Fluo-4, AM, 1 mM Solution in DMSO *SP-Pak* 1 mL *Cell Permeant*			
Catalog Number:		7716	Lot:		52424
CAS Number:		273221-67-3	Formula:		C <sub>51</sub> H <sub>50</sub> F <sub>2</sub> N <sub>2</sub> O <sub>23</sub>
Molecular Weight:		1096.95 (g/mol)			
	Observed		Standard		
HPLC Purity:		99% at 254 nm	≥ 95% at 254 nm		
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):		456 nm	456 ± 3 nm		
Extinction:		26,500 cm <sup>-1</sup> M <sup>-1</sup>	25,500 ± 2,000 cm <sup>-1</sup> M <sup>-1</sup>		
TLC Purity:		> 99%	≥ 95%		
TLC System:		3:1 Ethyl acetate / Hexane			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		15292	Release:	03-Feb-2016	Expiration: 07-Oct-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:** 03-Feb-2016

**Signature:** 