

Certificate of Analysis							
Name:	Fluo-4, AM, 1 mM Solution in DMSO *SP-Pak* 1 mL *Cell Permeant*						
Catalog Number:	7716			Lot: 51977			
CAS Number:	27322	1-67-3	Formula:		C <sub>51</sub> H <sub>50</sub>	F <sub>2</sub> N <sub>2</sub> O <sub>23</sub>	
Molecular Weight:	1096.9	096.95 (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	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%	> 99%			≥ 95%		
TLC System	3:1 Ethyl actate / Hexane						
Storage:	Freeze from lig	Freeze: Store at -5 to -30°C ( <b>F</b> ), Protect from moisture ( <b>D</b> ), Protect from light ( <b>L</b> )					
Production Lot: 152	292	Release:	03-Feb-20	16 Ex	piration:	19-Mar-2022	
Structure:	H <sub>3</sub> C O O O	O O O O O O O O O O O O O O O O O O O	Сн <sub>3</sub> О О О О О				

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:** 03-Feb-2016

**Analytical Services Manager** 

Signature: