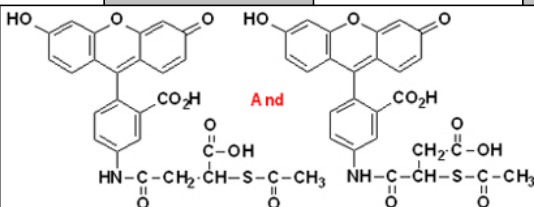


Certificate of Analysis (C of A)					
Name:		SAMSA Fluorescein *Mixed isomers* 5-((2-(or-3)-S-(Acetylmercapto)succinoyl)amino)fluorescein			
Catalog Number:		6631	Lot:		50309
CAS Number:		N/A	Formula:		C ₂₆ H ₁₉ NO ₉ S
Molecular Weight:		521.50 (g/mol)			
		Observed	Standard		
HPLC Purity:		88% at 254 nm	≥ 85% at 254 nm		
Absorption (Buffer pH 10)					
Wavelength (λ _{max}):		491 nm	493 ± 3 nm		
Extinction:		88,700 cm ⁻¹ M ⁻¹	84,000 ± 6,000 cm ⁻¹ M ⁻¹		
Fluorescence (Buffer pH 10)					
Emission Max:		514 nm	518 ± 4 nm		
TLC Purity:		> 95%	≥ 85%		
TLC System:		75:20:5 Chloroform/ Methanol/ Acetic acid			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		14754	Release:	03-Feb-2015	Expiration: 03-Feb-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: 03-Feb-2015

Signature: Dianna M. Wineinger