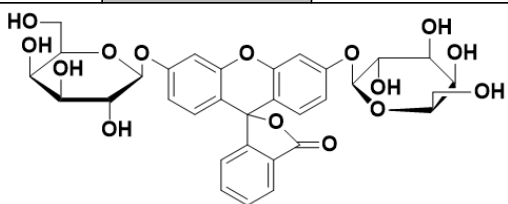


Certificate of Analysis (C of A)									
Name:		FDG Fluorescein di-b-D-galactopyranoside							
Catalog Number:		6983	Lot:		50739				
CAS Number:		17817-20-8	Formula:		C <sub>32</sub> H <sub>32</sub> O <sub>15</sub>				
Molecular Weight:		656.60 (g/mol)							
		Observed		Standard					
HPLC Purity:		99% at 254 nm		≥ 95% at 254 nm					
Absorption (Methanol)									
Wavelength (λ <sub>max</sub> ):		273 nm		273 ± 3 nm					
Extinction:		6,500 cm <sup>-1</sup> M <sup>-1</sup>		6,500 ± 600 cm <sup>-1</sup> M <sup>-1</sup>					
TLC Purity:		> 98%		≥ 95%					
TLC System:		75:20:5 Chloroform/ Methanol/ Acetic acid							
Fluor Bkgd:		<10 ppm at 518nm		< 100 ppm					
Observed color:		Slight Yellow		White to Off-white or Slight Yellow					
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)							
Production Lot:		14698	Release:		05-Jan-2015	Expiration:		05-Jan-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:** 05-Jan-2015

**Signature:** Dianna M Wineinger