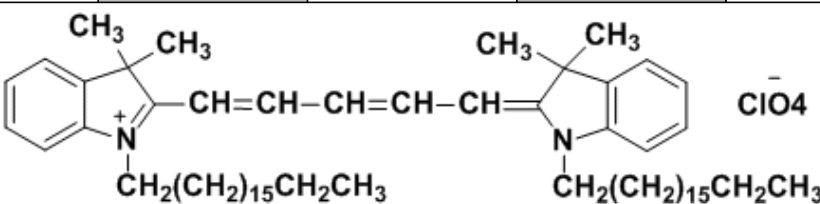


Certificate of Analysis (C of A)					
Name:		DiIC ₁₈ (5) [DiD] 1,1'-Dioctadecyl-3,3,3',3'-tetramethylindodicarbocyanine perchlorate			
Catalog Number:		6330	Lot:		50168
CAS Number:		127274-91-3	Formula:		C ₆₁ H ₉₉ ClN ₂ O ₄
Molecular Weight:		959.92 (g/mol)			
	Observed		Standard		
HPLC Purity:		99% at 645 nm	≥ 90% at 645 nm		
Absorption (Methanol)					
Wavelength (λ _{max}):		644 nm	645 ± 3 nm		
Extinction:		232,200 cm ⁻¹ M ⁻¹	245,000 ± 20,000 cm ⁻¹ M ⁻¹		
Fluorescence (Methanol)					
Emission Max:		659 nm	663 ± 4 nm		
TLC Purity:		> 99%	≥ 90%		
TLC System:		85:15 Chloroform / Methanol			
Storage:		Refrigerate: Store at 4-8°C (Ref), Protect from moisture (D), Protect from light (L)			
Production Lot:		14453	Release:	17-Sep-2014	Expiration: 17-Sep-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: 17-Sep-2014

Signature: 