SETAREH BIOTECH
LITE OF INNOVATION

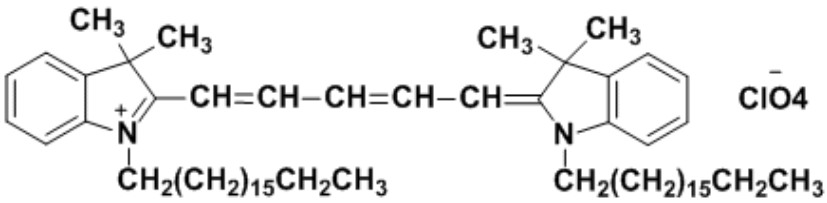
Certificate of Analysis
(C of A)

Name:	DiIC$_{18}$(5) [DiD] 1,1'-Dioctadecyl-3,3,3',3'-tetramethylindodicarbocyanine perchlorate		
Catalog Number:	6330	Lot:	52137
CAS Number:	127274-91-3	Formula:	$C_{61}H_{99}ClN_2O_4$
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 **Date:** 17-Sep-2014
Analytical Services Manager

Signature: Dianna M Wineinger

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