SETAREH BIOTECH
LITE OF INNOVATION

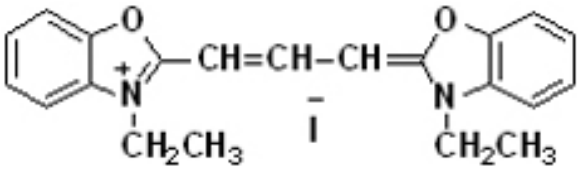
Certificate of Analysis
(C of A)

Name:	**DiOC2(3)** **3,3'-Diethyloxacarbocyanine iodide**		
Catalog Number:	6322	Lot:	50025
CAS Number:	905-96-4	Formula:	$C_{21}H_{21}IN_2O_2$
Molecular Weight:	460.31 (g/mol)		

	Observed	Standard
HPLC Purity:	99% at 254 nm	≥ 95% at 254 nm
Absorption (Methanol)		
Wavelength (λ_{max}):	482 nm	482 ± 3 nm
Extinction:	164,500 $cm^{-1}M^{-1}$	160,000 ± 12,500 $cm^{-1}M^{-1}$
TLC Purity:	> 99%	≥ 95%
TLC System:	80:20 Chloroform / Methanol	
Storage:	Store at Room Temperature (**RT**), Protect from moisture (**D**), Protect from light (**L**)	

Production Lot:	14316	Release:	19-Jun-2014	Expiration:	19-Jun-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:** 19-Jun-2014
Analytical Services Manager

Signature: Dianna M Wineinger

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