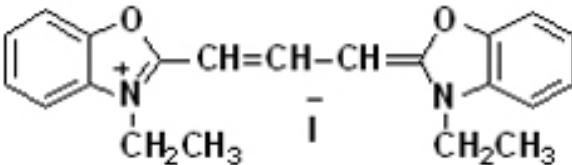


Certificate of Analysis

(C of A)

Name:		DiOC2(3) 3,3'-Diethyloxacarbocyanine iodide			
Catalog Number:		6322		Lot:	50429
CAS Number:		905-96-4		Formula:	C ₂₁ H ₂₁ IN ₂ O 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
 Analytical Services Manager

Date: 19-Jun-2014

Signature: 