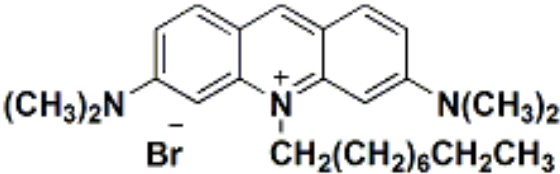


Certificate of Analysis (C of A)			
Name:	Acridine orange 10-nonyl bromide Nonyl acridine orange		
Catalog Number:	6243	Lot:	51368
CAS Number:	75168-11-5	Formula:	C <sub>26</sub> H <sub>38</sub> BrN <sub>3</sub>
Molecular Weight:	472.50 (g/mol)		
	<b>Observed</b>	<b>Standard</b>	
HPLC Purity:	93% at 254 nm	≥ 90% at 254 nm	
<b>Absorption (Methanol)</b>			
Wavelength (λ <sub>max</sub> ):	495 nm	495 ± 3 nm	
Extinction:	85,900 cm <sup>-1</sup> M <sup>-1</sup>	89,000 ± 6,500 cm <sup>-1</sup> M <sup>-1</sup>	
<b>Fluorescence (Methanol)</b>			
Emission Max:	518 nm	519 ± 4 nm	
TLC Purity:	> 99%	≥ 90%	
TLC System:	85:13:2 Chloroform / Methanol / Acetic acid		
Storage:	Store at Room Temperature (RT), Protect from moisture (D), Protect from light (L)		
Production Lot:	15040	Release:	27-Jul-2015
		Expiration:	27-Jul-2035
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:** 27-Jul-2015

**Signature:** 