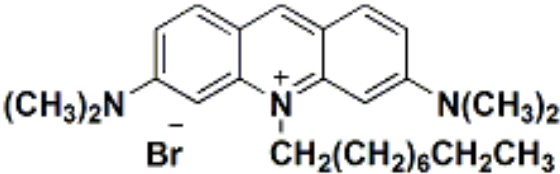


<b>Certificate of Analysis</b> (C of A)			
<b>Name:</b>	<b>Acridine orange 10-nonyl bromide</b> Nonyl acridine orange		
<b>Catalog Number:</b>	6243	<b>Lot:</b>	50531
<b>CAS Number:</b>	75168-11-5	<b>Formula:</b>	C <sub>26</sub> H <sub>38</sub> BrN <sub>3</sub>
<b>Molecular Weight:</b>	472.50 (g/mol)		
	<b>Observed</b>	<b>Standard</b>	
<b>HPLC Purity:</b>	93% at 254 nm		≥ 90% at 254 nm
<b>Absorption (Methanol)</b>			
<b>Wavelength (λ<sub>max</sub>):</b>	495 nm		495 ± 3 nm
<b>Extinction:</b>	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>			
<b>Emission Max:</b>	518 nm		519 ± 4 nm
<b>TLC Purity:</b>	> 99%		≥ 90%
<b>TLC System:</b>	85:13:2 Chloroform / Methanol / Acetic acid		
<b>Storage:</b>	Store at Room Temperature (RT), Protect from moisture (D), Protect from light (L)		
<b>Production Lot:</b>	15040	<b>Release:</b>	27-Jul-2015
		<b>Expiration:</b>	27-Jul-2035
<b>Structure:</b>			

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:** Dianna M Wineinger