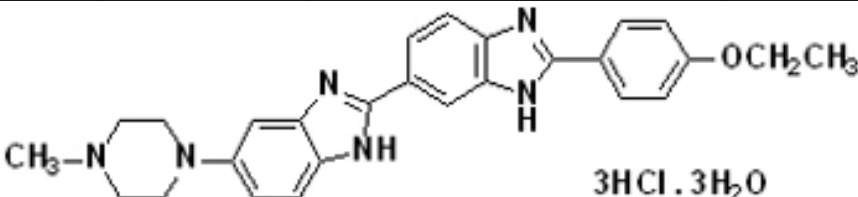


Certificate of Analysis (C of A)					
Name:		Hoechst 33342, trihydrochloride, trihydrate			
Catalog Number:		7074	Lot:		51857
CAS Number:		23491-52-3	Formula:		C <sub>27</sub> H <sub>37</sub> Cl <sub>3</sub> N <sub>6</sub> O <sub>4</sub>
Molecular Weight:		615.99 (g/mol)			
		Observed		Standard	
HPLC Purity:		99% at 254 nm		≥ 95% at 254 nm	
Absorption (0.2M HCl/MeOH)					
Wavelength (λ <sub>max</sub> ):		357 nm		358 ± 3 nm	
Extinction:		48,800 cm <sup>-1</sup> M <sup>-1</sup>		45,000 ± 4,000 cm <sup>-1</sup> M <sup>-1</sup>	
Storage:		Store at Room Temperature (RT), Protect from moisture (D), Protect from light (L)			
Production Lot:		12084	Release:		04-Sep-2014
			Expiration:		04-Sep-2024
Structure:		<div></div>			

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:** 04-Sep-2014

**Signature:** Dianna M Wineinger