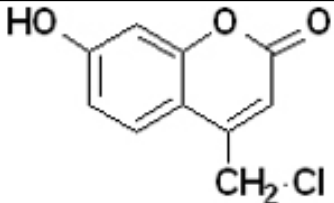


## Certificate of Analysis

(C of A)

Full Name:	CellHunt Blue CMHC [7-Hydroxy-4-chloromethylcoumarin] [CellTracker® Blue CMHC, Trade Mark of Molecular Probes] [4-Chloromethyl-7-hydroxycoumarin] [2H-1-Benzopyran-2-one, 4-(chloromethyl)-7-hydroxy-(9Cl)] ,, [4-Chloromethyl-7-hydroxy-2H-chromen-2-one] ,, [7-Hydroxy-4-(chloromethyl)coumarin]		
Catalog Number:	7135	Lot Number:	ST14527
CAS Number:	25392-41-0	Formula:	C <sub>10</sub> H <sub>7</sub> ClO <sub>3</sub>
Molecular Weight:	210.61 (g/mol)	Appearance:	White Solid
<b>Observed</b> <b>Standard</b>			
HPLC Purity:	99% at 254 nm	≥ 90% at 254 nm	
<b>Absorption (Buffer pH 10)</b>			
Wavelength (λ <sub>max</sub> ):	373 nm	372 ± 3 nm	
Extinction:	17,400 cm <sup>-1</sup> M <sup>-1</sup>	16,500 ± 2,000 cm <sup>-1</sup> M <sup>-1</sup>	
TLC Purity:	> 99%	≥ 90%	
TLC System:	1:1 Hexane/ Ethyl acetate		
Storage:	Refrigerate: Store at 4-8°C (Ref), Protect from moisture (D), Protect from light (L)		
Release Date:	03-Nov-2014	Expiration Date:	03-Nov-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:** 03-Nov-2014

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_