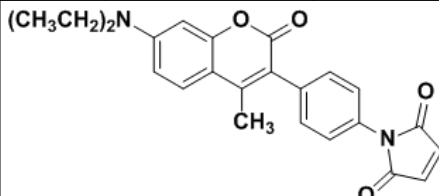


## Certificate of Analysis

(C of A)

Name:		CPM 7-Diethylamino-3-(4'-maleimidylphenyl)-4-methylcoumarin			
Catalog Number:		6009	Lot:		50053
CAS Number:		76877-33-3	Formula:		C <sub>24</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:		402.44 (g/mol)			
		Observed		Standard	
HPLC Purity:		99% at 254 nm		≥ 95% at 254 nm	
Absorption (Methanol)					
Wavelength (λ <sub>max</sub> ):		385 nm		384 ± 3 nm	
Extinction:		32,800 cm <sup>-1</sup> M <sup>-1</sup>		33,500 ± 2,300 cm <sup>-1</sup> M <sup>-1</sup>	
TLC Purity:		> 99%		≥ 95%	
TLC System:		1:1 Hexane/ Ethyl acetate			
Storage:		Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot:		14304	Release:	05-Jun-2014	Expiration: 05-Jun-2019
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:** 05-Jun-2014

**Signature:** 