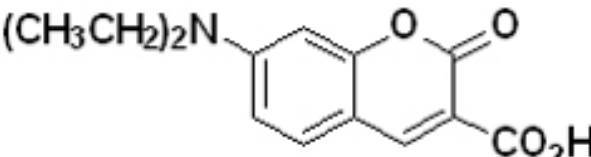


Certificate of Analysis (C of A)			
Name:	7-Diethylaminocoumarin-3-carboxylic acid 7-(Diethylamino)coumarin-3-carboxylic acid		
Catalog Number:	7022	Lot:	50307
CAS Number:	50995-74-9	Formula:	C ₁₄ H ₁₅ NO ₄
Molecular Weight:	261.27 (g/mol)		
	Observed	Standard	
HPLC Purity:	99% at 254 nm	≥ 95% at 254 nm	
Absorption (Buffer pH 8)			
Wavelength (λ _{max}):	410 nm	409 ± 3 nm	
Extinction:	35,400 cm ⁻¹ M ⁻¹	34,000 ± 2,500 cm ⁻¹ M ⁻¹	
Fluorescence (Buffer pH 8)			
Emission Max:	474 nm	472 ± 4 nm	
TLC Purity:	> 99%	≥ 95%	
TLC System:	90:10 Chloroform / Methanol		
Storage:	Store at Room Temperature (RT), Protect from moisture (D), Protect from light (L)		
Production Lot:	14751	Release:	02-Feb-2015
		Expiration:	02-Feb-2035
Structure:	<chem>CCN(CC)c1ccc2c(c1)c(=O)c(C(=O)O)c2</chem> 		

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: 02-Feb-2015

Signature: 