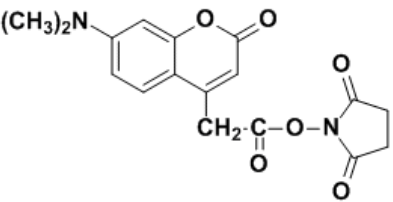


Certificate of Analysis (C of A)			
Name:	DMACA, SE 7-Dimethylaminocoumarin-4-acetic acid, succinimidyl ester		
Catalog Number:	6062	Lot:	51098
CAS Number:	96686-59-8	Formula:	C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	344.32 (g/mol)		
	<b>Observed</b>	<b>Standard</b>	
HPLC Purity:	97% at 254 nm	≥ 90% at 254 nm	
<b>Absorption (Methanol)</b>			
Wavelength (λ <sub>max</sub> ):	377 nm	375 ± 3 nm	
Extinction:	21,400 cm <sup>-1</sup> M <sup>-1</sup>	21,000 ± 1,500 cm <sup>-1</sup> M <sup>-1</sup>	
<b>Fluorescence (Methanol)</b>			
Emission Max:	472 nm	470 ± 4 nm	
TLC Purity:	> 98%	≥ 90%	
TLC System:	95:5 Chloroform / Methanol		
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)		
Production Lot:	15550	Release:	13-Feb-2017
		Expiration:	13-Feb-2022
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:** 13-Feb-2017

**Signature:** 