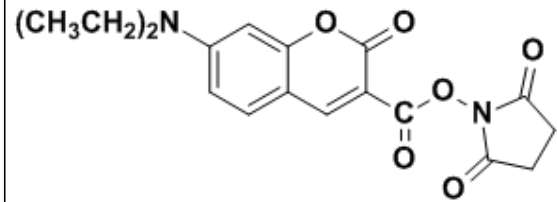


Certificate of Analysis (C of A)			
Name:	DEAC, SE 7-Diethylaminocoumarin-3-carboxylic acid, succinimidyl ester		
Catalog Number:	6016	Lot:	52223
CAS Number:	139346-57-9	Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	358.35 (g/mol)		
<b>Observed</b> <b>Standard</b>			
HPLC Purity:	99% at 254 nm		≥ 90% at 254 nm
<b>Absorption (Methanol)</b>			
Wavelength (λ <sub>max</sub> ):	433 nm		432 ± 3 nm
Extinction:	63,400 cm <sup>-1</sup> M <sup>-1</sup>		60,000 ± 5,000 cm <sup>-1</sup> M <sup>-1</sup>
<b>Fluorescence (Methanol)</b>			
Emission Max:	472 nm		472 ± 4 nm
TLC Purity:	> 99%		≥ 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:	15017	Release:	16-Aug-2021
		Expiration:	16-Aug-2026
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:** 16-Aug-2021

**Signature:** *Dianna M Wineinger*

**Date:** 01-Feb-2023