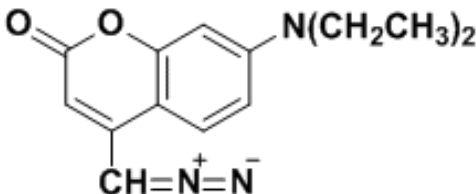
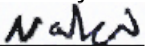


| Certificate of Analysis<br>(C of A)        |  |                                                                                             |                                                 |  |                                                               |             |  |             |
|--------------------------------------------|--|---------------------------------------------------------------------------------------------|-------------------------------------------------|--|---------------------------------------------------------------|-------------|--|-------------|
| Name:                                      |  | CDAM [7-Diethylaminocoumarin-4-diazomethane]<br>4-Diazomethyl-7-diethylaminocoumarin [DEAC] |                                                 |  |                                                               |             |  |             |
| Catalog Number:                            |  | 6058                                                                                        | Lot:                                            |  | 51979                                                         |             |  |             |
| CAS Number:                                |  | 88861-43-2                                                                                  | Formula:                                        |  | C <sub>14</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> |             |  |             |
| Molecular Weight:                          |  | 257.29 (g/mol)                                                                              |                                                 |  |                                                               |             |  |             |
|                                            |  |                                                                                             |                                                 |  |                                                               |             |  |             |
|                                            |  | Observed                                                                                    | Standard                                        |  |                                                               |             |  |             |
| HPLC Purity:                               |  | 90% at 254 nm                                                                               | ≥ 70% at 254 nm                                 |  |                                                               |             |  |             |
| Absorption (95:5 Methanol / Acetic Acid)   |  |                                                                                             |                                                 |  |                                                               |             |  |             |
| Wavelength (λ <sub>max</sub> ):            |  | 399 nm                                                                                      | 400 ± 3 nm                                      |  |                                                               |             |  |             |
| Extinction:                                |  | 20,700 cm <sup>-1</sup> M <sup>-1</sup>                                                     | 21,000 ± 2,000 cm <sup>-1</sup> M <sup>-1</sup> |  |                                                               |             |  |             |
| Fluorescence (95:5 Methanol / Acetic Acid) |  |                                                                                             |                                                 |  |                                                               |             |  |             |
| Emission Max:                              |  | 482 nm                                                                                      | 479 ± 4 nm                                      |  |                                                               |             |  |             |
| Comments:                                  |  | ABS, FLUOR and HPLC: Deriv with acetic acid.                                                |                                                 |  |                                                               |             |  |             |
| Storage:                                   |  | Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)         |                                                 |  |                                                               |             |  |             |
| Production Lot:                            |  | 15547                                                                                       | Release:                                        |  | 09-Nov-2020                                                   | Expiration: |  | 09-Nov-2025 |
| 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: Nabi  
 Analytical Services Manager  
 Signature: 

Date: 09-Nov-2020