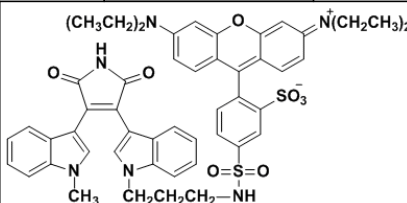


| Certificate of Analysis<br>(C of A) |          |                                                                                     |                                                  |             |                                                                              |
|-------------------------------------|----------|-------------------------------------------------------------------------------------|--------------------------------------------------|-------------|------------------------------------------------------------------------------|
| Name:                               |          | RIM-1<br>Rhodamine-conjugated Bisindolylmaleimide Inhibitor                         |                                                  |             |                                                                              |
| Catalog Number:                     |          | 7381                                                                                | Lot:                                             |             | 51461                                                                        |
| CAS Number:                         |          | N/A                                                                                 | Formula:                                         |             | C <sub>51</sub> H <sub>50</sub> N <sub>6</sub> O <sub>8</sub> S <sub>2</sub> |
| Molecular Weight:                   |          | 939.12 (g/mol)                                                                      |                                                  |             |                                                                              |
|                                     |          |                                                                                     |                                                  |             |                                                                              |
|                                     | Observed |                                                                                     | Standard                                         |             |                                                                              |
| HPLC Purity:                        |          | 99% at 254 nm                                                                       | ≥ 95%% at 254 nm                                 |             |                                                                              |
| Absorption (Methanol)               |          |                                                                                     |                                                  |             |                                                                              |
| Wavelength (λ <sub>max</sub> ):     |          | 561 nm                                                                              | 562 ± 3 nm                                       |             |                                                                              |
| Extinction:                         |          | 114,600 cm <sup>-1</sup> M <sup>-1</sup>                                            | 110,000 ± 8,000 cm <sup>-1</sup> M <sup>-1</sup> |             |                                                                              |
| Fluorescence (Methanol)             |          |                                                                                     |                                                  |             |                                                                              |
| Emission Max:                       |          | 580 nm                                                                              | 581 ± 4 nm                                       |             |                                                                              |
| TLC Purity:                         |          | > 99%                                                                               | 95%                                              |             |                                                                              |
| TLC System:                         |          | 90:10 Chloroform / Methanol                                                         |                                                  |             |                                                                              |
| Storage:                            |          | Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L) |                                                  |             |                                                                              |
| Production Lot:                     |          | 16074                                                                               | Release:                                         | 25-Jul-2018 | Expiration: 25-Jul-2038                                                      |
| 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: 25-Jul-2018

Signature: 