

TopFluor[®] Sphingosine

(E)-(2S,3R)-2-Amino-13-(dipyrrometheneboron difluoride)-tridec-4-ene-1,3-diol

810301C-250ug

Page 1 of 1

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|--------------------------|---|
| Molecular Weight | 475.43 |
| Chemical Formula | C ₂₆ H ₄₀ BF ₂ N ₃ O ₂ |
| Physical State | Chloroform |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 6728CEA010 |
| Avanti Lot Number | 810301C-250UG-A-010 |

| ANALYSIS | SPECIFICATION | RESULTS |
|---|---|---------------------------------|
| Physical Examination | Chloroform: Yellow to orange solution which contains no foreign matter | Pass |
| TLC (90:10:1 Chloroform: Methanol: Ammonium Hydroxide) | >99% Purity UV: one major spot Ninhydrin spray: positive Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot | All Pass |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Excitation/Emission | Consistent with historical data λ_{\max} Em = 495 nm λ_{\max} Ex = 507 nm | Consistent with historical data |
| Mass Spectroscopy | [M+H] ⁺ = 476.43 ± 1 amu | [M+H] ⁺ = 476.7 amu |

Approved By:



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