

TopFluor® Sphingosine

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

810301C-250ug

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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	6728CEB010
Avanti Lot Number	810301C-250UG-B-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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