

TopFluor® Oleic Acid

(Z)-18-(4-(5,5-difluoro-1,3,7,9-tetramethyl-5H-4H,5H-dipyrrolo[1,2-c:2',1'-f][1,3,2]diazaborinin-10-yl)butanamido)octadec-9-enoic acid

810259C-1mg

Page 1 of 1

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|--------------------------|---|
| Molecular weight | 613.63 |
| Chemical formula | C ₃₅ H ₅₄ BF ₂ N ₃ O ₃ |
| Physical State | Chloroform |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 6574CGE010 |
| Avanti Lot Number | 810259C-1MG-E-010 |

| ANALYSIS | SPECIFICATION | RESULTS |
|-----------------------------------|---|---------------------------|
| Physical Examination | Chloroform: Orange solution with no foreign matter | Pass |
| TLC (9:1 Chloroform: Methanol) | >99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: positive Water dip: one major spot | All Pass |
| Excitation/Emission | $\lambda_{Ex\ max} = 497\ nm$ $\lambda_{Em\ max} = 507\ nm$ | Pass |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | $[M-H]^- = 612.63 \pm 1\ amu$ | $[M-H]^- = 612.4\ amu$ |

 Approved By: *Anderson Thomas*

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