

**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

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<b>Molecular weight</b>	613.63
<b>Chemical formula</b>	C <sub>35</sub> H <sub>54</sub> BF <sub>2</sub> N <sub>3</sub> O <sub>3</sub>
<b>Physical State</b>	Chloroform
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	6574CGA010
<b>Avanti Lot Number</b>	810295C-1MG-A-010

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Chloroform:</b> 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:

