

palmitic acid - NBD

[16-[(7-nitro-2-1,3-benzoxadiazol-4-yl)amino] palmitic acid

810105P-1mg

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Molecular Weight	434.529
Chemical Formula	C ₂₂ H ₃₄ N ₄ O ₅
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	5309PGE011
Avanti Lot Number	810105P-1MG-E-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: Yellow to orange solid which contains no foreign matter	Pass
TLC (9:1 Chloroform: Methanol)	>99% Purity UV: one major spot Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative to slight positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Excitation/Emission by UV/Vis	$\lambda_{\text{Ex max}} = 465 \text{ nm}$ $\lambda_{\text{Em max}} = 530 \text{ nm}$	Pass
Mass Spectroscopy	$[\text{M-H}]^- = 433.529 \pm 1 \text{ amu}$	$[\text{M-H}]^- = 433.4 \text{ amu}$

Approved By:



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