

16:0 aldehyde-d9

hexadecanal(d9)

857460M-1mg

Page 1 of 1

Molecular Weight	249.480
Chemical Formula	C ₁₆ H ₂₃ OD ₉
Physical State	Methylene Chloride
Storage	-20 °C
Expiration Date	One year from date of receipt
M Lot Number	5841MGA013
Avanti Lot Number	857460M-1MG-A-013

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Methylene Chloride: Clear solution with no foreign matter.	Pass
TLC (95:5 Hexane: Ethyl Acetate)	>99% Purity Ninhydrin: negative 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
Mass Spectroscopy	[M+H] ⁺ = 250.48 ± 1 amu, or [M+NH ₄] ⁺ = 267.48 ± 1 amu	[M+H] ⁺ = 249.7 amu [M+NH ₄] ⁺ = 267.7 amu

Approved By:

