

**16-NBD-16:0 Coenzyme A**

{N-[(7-nitro-2-1,3-benzoxadiazol-4-yl)-methyl]amino} palmitoyl Coenzyme A (ammonium salt)

**810705P-1mg**

Page 1 of 1

<b>Molecular Weight</b>	1234.437
<b>Chemical Formula</b>	C <sub>43</sub> H <sub>77</sub> N <sub>14</sub> O <sub>20</sub> P <sub>3</sub> S
<b>Physical State</b>	Powder
<b>Storage</b>	-20°C
<b>Expiration Date</b>	One year from date of receipt
<b>M Lot Number</b>	5466PGC013
<b>Avanti Lot Number</b>	810705P-1MG-C-013

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> Yellow to orange solid which contains no foreign matter.	Pass
TLC (50:40:10 Chloroform: Methanol: Water)	>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
Mass Spectroscopy	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 590.719 ± 1 amu	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 591.3 amu

Approved by:



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