

**16:0(d4) Coenzyme A**  
**palmitoyl(11,11,12,12-d4) Coenzyme A**  
**870746P-1mg**

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**Molecular Weight** 1061.066  
**Chemical Formula** C<sub>37</sub>H<sub>71</sub>D<sub>4</sub>N<sub>10</sub>O<sub>17</sub>P<sub>3</sub>S  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6551PGG010  
**Lot Number** 870746P-1MG-G-010

ANALYSIS	SPECIFICATION	SOP
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter	Pass
TLC (50:40:10 Chloroform:Methanol:Water)	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: positive Charring: negative Water dip: one major spot	All Pass
HPLC-ELSD	NLT 99% (AUC)	100% (AUC)
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-3NH <sub>4</sub> +H] <sup>2-</sup> = 504.06 ± 1 amu [M-3NH <sub>4</sub> +2H] <sup>-</sup> = 1009.06 ± 1 amu	M-3NH <sub>4</sub> +H] <sup>2-</sup> = 504.0 amu [M-3NH <sub>4</sub> +2H] <sup>-</sup> = 1009.1 amu

Approved by:



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