

**24:0(d4) L-carnitine**

tetracosanoyl (9,9,10,10-d4) L-carnitine

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**Molecular Weight** 515.84  
**Chemical Formula** C<sub>31</sub>H<sub>57</sub>D<sub>4</sub>NO<sub>4</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6550PGA011  
**Lot Number** 870857P-1MG-A-011

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	Powder: White solid which contains no foreign matter	Pass
TLC	>99% Purity Ninhydrin spray: negative Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M+H] <sup>+</sup> = 516.9 ± 1 amu	[M+H] <sup>+</sup> = 516.5 amu
Isotopic Purity	Run and Report	97.1%

Approved by:



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