

12:0 Biotinyl Coenzyme A

12-N-biotinyl(aminododecanoyl) Coenzyme A (ammonium salt)

860570P-1mg

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Molecular Weight	1241.45
Chemical Formula	C ₄₃ H ₈₂ N ₁₃ O ₁₉ P ₃ S ₂
Physical State	Powder
Storage	-20°C
Expiration Date	One year from date of receipt
M Lot Number	6014PGC011
Avanti Lot Number	860570P-1MG-C-011

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC (50:40:10 Chloroform: Methanol: Water)	>99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-3NH ₄ +2H] ⁻ = 1189.450 ± 1 amu [M-3NH ₄ +H] ²⁻ = 594.225 ± 1 amu	[M-3NH ₄ +2H] ⁻ = 1189.4 amu [M-3NH ₄ +H] ²⁻ = 594.2 amu

Approved by:

