

N-palmitoyl homocysteine (PHC)

N-palmitoyl homocysteine (ammonium salt)

870320P-25mg

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Molecular Weight	390.624
Chemical Formula	C ₂₀ H ₄₂ N ₂ O ₃ S
Physical State	Powder
Storage	-20 °C
Expiration Date	One year from date of receipt
M Lot Number	6190PJA012
Lot Number	870320P-25MG-A-012

ANALYSIS	SPECIFICATION	RESULTS
Physical examination	Powder: White solid which contains no foreign matter.	Pass
TLC	>99% Purity Ninhydrin: negative ¹ Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot ¹ Secondary amine may react with ninhydrin spray, creating a false positive	All Pass
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Mass Spectroscopy	[M-NH ₄] ⁺ = 372.624 ± 1 amu	[M-NH ₄] ⁺ = 372.4 amu

Approved by:

