

**N-palmitoyl homocysteine (PHC)**

N-palmitoyl homocysteine (ammonium salt)

**870320P-25mg**
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<b>Molecular Weight</b>	390.624
<b>Chemical Formula</b>	C <sub>20</sub> H <sub>42</sub> N <sub>2</sub> O <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>	6190PJB012
<b>Lot Number</b>	870320P-25MG-B-012

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>Powder:</b> White solid which contains no foreign matter.	Pass
TLC	>99% Purity Ninhydrin: negative <sup>1</sup> Iodine: one major spot Phosphorus: negative Charring: negative Water dip: one major spot  <sup>1</sup> 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 <sub>4</sub> ] <sup>+</sup> = 372.624 ± 1 amu	[M-NH <sub>4</sub> ] <sup>+</sup> = 372.4 amu

Approved by:

