MAPCHO®-12
n-dodecylphosphocholine
850336P-5g

Molecular Weight 351.462
Chemical Formula $\text{C}_{17}\text{H}_{38}\text{NO}_4\text{P}$
Physical State Powder
Storage -20 °C
Expiration Date One year from date of receipt
M Lot Number 5639PRA074
Avanti Lot Number 850336P-5G-A-074

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<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
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<tr>
<td>Physical examination</td>
<td>Powder: White solid which contains no foreign matter.</td>
<td>Pass</td>
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| TLC               | $>99\%$ 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|
| Mass Spectroscopy | $[\text{M+H}]^+ = 352.462 \pm 1 \text{ amu}$                                | $[\text{M+H}]^+ = 352.4 \text{ amu}$ |

Approved By: [Signature]