DOCP
2-((2,3-bis(oleoyloxy)propyl)dimethylammonio)ethyl hydrogen phosphate
850311C-200mg

Molecular Weight: 772.087
Chemical Formula: C_{43}H_{82}NO_{8}P
Physical State: Chloroform
Storage: -20 °C
Expiration Date: One year from date of receipt
M Lot Number: 5631CNA013
Avanti Lot Number: 850311C-200MG-A-013

<table>
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<tr>
<th>ANALYSIS</th>
<th>SPECIFICATION</th>
<th>RESULTS</th>
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<tr>
<td>Physical Examination</td>
<td>Chloroform: Clear solution with no foreign matter</td>
<td>Pass</td>
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</table>
| 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 |
| Phosphorus NMR| NMR spectrum consistent with structure              | consistent with structure |
| Mass Spectroscopy | [M+H]^+ = 773.087 ± 1 amu                        | [M+H]^+ = 773.1 amu    |

Approved by: [Signature]