

**DOCP**

2-((2,3-bis(oleoyloxy)propyl)dimethylammonio)ethyl hydrogen phosphate

**850311P-100mg**

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|                          |   |
|--------------------------|---|
| <b>Molecular Weight</b>  | 772.087   |
| <b>Chemical Formula</b>  | C <sub>43</sub> H <sub>82</sub> NO <sub>8</sub> P |
| <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>      | 5631PLB013  |
| <b>Avanti Lot Number</b> | 850311P-100MG-B-013                               |

| ANALYSIS             | SPECIFICATION   | RESULTS                        |
|----------------------|---|--------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter.  | Pass                           |
| TLC                  | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>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] <sup>+</sup> = 773.087 ± 1 amu  | [M+H] <sup>+</sup> = 773.1 amu |

Approved by:

