

## DSPE-RGD

1,2-distearoyl-sn-glycero-3-phosphoethanolamine-N-[4-(p-(cysarginylglycylaspartatemaleimidomethyl) cyclohexane-carboxamide] (sodium salt)

870295P-1mg

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**Molecular Weight** 1460.748  
**Chemical Formula** C<sub>68</sub>H<sub>120</sub>N<sub>9</sub>Na<sub>2</sub>O<sub>18</sub>PS  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6184PGB012  
**Avanti Lot Number** 870295P-1MG-B-012

| ANALYSIS             | SPECIFICATION   | RESULTS   |
|----------------------|---|---|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC                  | >99% Purity<br>Ninhydrin: positive<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure   |
| Mass Spectroscopy    | [M-2Na+H] <sup>+</sup> = 1415.7 ± 1 amu<br>[M-2Na] <sup>2+</sup> = 707.4 ± 1 amu  | [M-2Na+H] <sup>+</sup> = 1415.4 amu<br>[M-2Na] <sup>+</sup> = 706.9 amu   |
| FAME (GC/ID)         | NLT 99% (AUC)   | 99.4%   |

Approved By:



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