

C16 Ceramide-suc-PEG2K-maleimide

N-palmitoyl-sphingosine-{1-[succinyl(polyethylene glycol)2000]-N-maleimide}

880175P-25mg
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|--------------------------|--|
| Molecular Weight | 2769.53 (average MW due to polydispersity of PEG) |
| Chemical Formula | C ₁₃₅ H ₂₅₇ N ₃ O ₅₃ |
| Physical State | Powder |
| Storage | -20°C |
| Expiration Date | One year from date of receipt |
| M Lot Number | 7180PJA010 |
| Avanti Lot Number | 880175P-25MG-A-010 |

| ANALYSIS | SPECIFICATION | RESULTS |
|---|---|---------------------------|
| Physical Examination | Powder: White solid which contains no foreign matter | Pass |
| TLC | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: negative Charring: negative to faint positive Water dip: one major spot | All Pass |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Average Molecular Weight (MW) by TOF-MS | Run and Report | 2897.21 |
| Polydispersity index by TOF-MS | Run and Report | 1.004 |

 Approved By: *Andriana Thomas*

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