

**C8 PEG2000 Ceramide**

N-octanoyl-sphingosine-1-{succinyl[methoxy(polyethylene glycol)2000]}

**880170C-25mg**

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|                         |                                                    |
|-------------------------|----------------------------------------------------|
| <b>Molecular Weight</b> | 2522.153 (average MW due to polydispersity of PEG) |
| <b>Physical State</b>   | Chloroform                                         |
| <b>Storage</b>          | -20 °C                                             |
| <b>Expiration Date</b>  | One year from date of receipt                      |
| <b>M Lot Number</b>     | 6299CJA012                                         |
| <b>Lot Number</b>       | 880170C-25MG-A-012                                 |

| ANALYSIS                          | SPECIFICATION                                                                                                                           | RESULTS                   |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Physical examination              | <b>Chloroform:</b> Clear solution with no foreign matter.                                                                               | Pass                      |
| TLC<br>(9:1 Chloroform: Methanol) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: negative<br>Charring: positive<br>Water dip: one major spot | All Pass                  |
| Proton NMR                        | NMR spectrum consistent with structure                                                                                                  | Consistent with structure |

Approved By:

