

**C6 Ceramide (d18:1/6:0)**  
**N-hexanoyl-D-erythro-sphingosine**  
**860506P-5mg**

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**Molecular Weight** 397.635  
**Chemical Formula** C<sub>24</sub>H<sub>47</sub>NO<sub>3</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 5963PHC015  
**Avanti Lot Number** 860506P-5MG-C-015

| ANALYSIS                          | SPECIFICATION   | RESULTS                        |
|-----------------------------------|---|--------------------------------|
| Physical examination              | <b>Powder:</b> White solid which contains 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      |
| Mass Spectroscopy                 | [M+H] <sup>+</sup> = 398.635 ± 1 amu  | [M+H] <sup>+</sup> = 398.8 amu |

Approved by:

