

**sphinganine-d7**  
**D-erythro-sphinganine-d7**  
**860658P-1mg**

Page 1 of 1

**Molecular Weight** 308.551  
**Chemical Formula** C<sub>18</sub>H<sub>32</sub>D<sub>7</sub>NO<sub>2</sub>  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6080PGE011  
**Avanti Lot Number** 860658P-1MG-E-011

| ANALYSIS   | SPECIFICATION   | RESULTS                        |
|--|---|--------------------------------|
| Physical Examination   | <b>Powder:</b> White solid which contains no foreign matter   | Pass                           |
| TLC<br>(80:20:2 Chloroform: Methanol:<br>Ammonium Hydroxide) | >99% Purity<br>Ninhydrin: positive<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> = 309.551 ± 1 amu  | [M+H] <sup>+</sup> = 309.5 amu |

Approved By: *Melissa Liles*

For Research Use Only. Not For Human Use.