

**bis(16:0 PE)-DTPA (Gd)**

bis(1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine)-N-N'-diethylenetriaminepentaacetic acid (gadolinium salt)

**791298P-5mg**

Page 1 of 1

|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 1929.521   |
| <b>Chemical Formula</b>  | C <sub>88</sub> H <sub>170</sub> GdN <sub>7</sub> O <sub>24</sub> P <sub>2</sub> |
| <b>Physical State</b>    | Powder   |
| <b>Storage</b>           | -20°C  |
| <b>Expiration Date</b>   | One year from date of receipt  |
| <b>Lot Number</b>        | 5263PHA016   |
| <b>Avanti Lot Number</b> | 791298P-5MG-A-016  |

| ANALYSIS                                     | SPECIFICATION   | RESULTS   |
|--|---|---|
| Physical Examination                         | <b>Powder:</b> White solid which contains no foreign matter   | Pass  |
| TLC<br>(65:35:8 Chloroform: Methanol: Water) | >99% Purity<br>Ninhydrin: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: negative<br>Water dip: one major spot | All Pass  |
| FAME (GC/FID)                                | NLT 99% 16:0 (AUC)  | 99.9% (AUC)                                     |
| Gadolinium (ICP/MS)                          | Run & Report  | 11.29%  |
| Mass Spectroscopy                            | [M-2NH <sub>4</sub> ] <sup>2-</sup> = 946.8 ± 1 amu   | [M-2NH <sub>4</sub> ] <sup>2-</sup> = 946.3 amu |

Approved by:



For Research Use Only. Not For Human Use.