

**beta-D-mannosyl farnesyl phosphate**

Beta-D-mannosyl farnesyl phosphate, ammonium salt

**700310P-1mg****Page 1 of 1**

**Molecular Weight** 481.52  
**Chemical Formula** C<sub>21</sub>H<sub>40</sub>NO<sub>9</sub>P  
**Physical State** Powder  
**Storage** -20°C  
**Expiration Date** One year from date of receipt  
**M Lot Number** 6906PGA010  
**Avanti Lot Number** 700310P-1MG-A-010

| ANALYSIS             | SPECIFICATION                                                                                                                                 | RESULTS                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Physical Examination | <b>Powder:</b> White solid which contains no foreign matter                                                                                   | Pass                                          |
| TLC                  | >99% Purity<br>Ninhydrin spray: negative<br>Iodine: one major spot<br>Phosphorus: positive<br>Charring: positive<br>Water dip: one major spot | All Pass                                      |
| Proton NMR           | NMR spectrum consistent with structure                                                                                                        | Consistent with structure                     |
| Phosphorus NMR       | NMR spectrum consistent with structure                                                                                                        | Consistent with structure                     |
| Mass Spectroscopy    | [M-NH <sub>4</sub> ] <sup>+</sup> = 463.52 ± 1 amu                                                                                            | [M-NH <sub>4</sub> ] <sup>+</sup> = 463.6 amu |



Approved By:

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