

**IP4(1,3,4,5)**
**D-myo-inositol-1,3,4,5-tetraphosphate (ammonium salt)**
**850116P-500ug**
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|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 568.198  |
| <b>Chemical Formula</b>  | C <sub>6</sub> H <sub>28</sub> N <sub>4</sub> O <sub>18</sub> P <sub>4</sub> |
| <b>Physical State</b>    | Powder   |
| <b>Storage</b>           | -20°C  |
| <b>Expiration Date</b>   | One year from date of receipt  |
| <b>M Lot Number</b>      | 5595PFD010   |
| <b>Avanti Lot Number</b> | 850116P-500UG-D-010  |

| ANALYSIS             | SPECIFICATION   | RESULTS   |
|----------------------|---|---|
| Physical examination | <b>Powder:</b> White solid which contains no foreign matter.  | Pass  |
| Proton NMR           | NMR spectrum consistent with structure  | Consistent with structure   |
| Phosphorus NMR       | NMR spectrum consistent with structure  | Consistent with structure   |
| Mass Spectroscopy    | [M-4NH <sub>4</sub> +3H] <sup>-</sup> = 499.198 ± 1 amu<br>[M-4NH <sub>4</sub> +2H] <sup>2-</sup> = 249.099 ± 1 amu | [M-4NH <sub>4</sub> +3H] <sup>-</sup> = 499.1 amu<br>[M-4NH <sub>4</sub> +2H] <sup>2-</sup> = 249.0 amu |

 Approved by: *Meredith Bayood*

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