

Brain PI(4)P

L- α -phosphatidylinositol-4-phosphate (Brain, Porcine) (ammonium salt)

840045X-1mg

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|--------------------------|---|
| Molecular Weight | 974.764 (average based on fatty acid distribution in product) |
| Physical State | 20:90:1 Chloroform: Methanol: Water |
| Storage | -20°C |
| Expiration Date | Three months from date of receipt |
| M Lot Number | 5506XGA045 |
| Avanti Lot Number | 840045X-1MG-A-045 |

| ANALYSIS | SPECIFICATION | RESULTS |
|--|--|--|
| Physical Examination | 20:90:1 CMW: Clear solution with no foreign matter | Pass |
| TLC (45:35:7.7:2.3 Chloroform: Methanol: Water: Ammonium Hydroxide) | >99% Purity Ninhydrin: negative Iodine: one major spot Phosphorus: positive Charring: positive Water dip: one major spot | All Pass |
| UV Oxidation | NMT 5% total all wavelengths | 1.28% total |
| Phosphorus Assay | 95-105% recovery phosphorus | Pass |
| Calcium (ICP/MS) | NMT 500 ppm | None Detected |
| Proton NMR | NMR spectrum consistent with structure | Consistent with structure |
| Phosphorus NMR | NMR spectrum consistent with structure | Consistent with structure |
| Mass Spectroscopy | [M-2NH ₄ +H] ⁻ = 966.764 ± 1 amu [M-2NH ₄] ²⁻ = 482.882 ± 1 amu (predominant species) | [M-2NH ₄ +H] ⁻ = 966.6 amu [M-2NH ₄] ²⁻ = 482.9 amu (predominant species) |

Approved By:



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