

## Brain PI(4)P


L- $\alpha$ -phosphatidylinositol-4-phosphate (Brain, Porcine) (ammonium salt)

840045X-5mg

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<b>Molecular Weight</b>	974.764 (average based on fatty acid distribution in product)
<b>Physical State</b>	20:9:1 Chloroform: Methanol: Water
<b>Storage</b>	-20°C
<b>Expiration Date</b>	Three months from date of receipt
<b>M Lot Number</b>	5506XHB049
<b>Avanti Lot Number</b>	840045X-5MG-B-049

ANALYSIS	SPECIFICATION	RESULTS
Physical Examination	<b>20:9:1 CMW:</b> 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	2.99% total
Calcium (ICP/MS)	NMT 500 ppm	149 ppm
Proton NMR	NMR spectrum consistent with structure	Consistent with structure
Phosphorus NMR	NMR spectrum consistent with structure	Consistent with structure
Quantitative Phosphorus NMR	Run and Report	37.93 mg/ml
Mass Spectroscopy	[M-2NH <sub>4</sub> +H] <sup>+</sup> = 966.764 ± 1 amu [M-2NH <sub>4</sub> ] <sup>2-</sup> = 482.882 ± 1 amu (predominant species)	[M-2NH <sub>4</sub> ] <sup>2-</sup> = 482.7 amu (predominant species)

Approved By: 

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