

Certificate of Analysis				
Name:	APPC 4-Aminophenyl phosphorylcholine			
Catalog Number:	6117	Lot: 51457		
CAS Number:	102185-28-4	Formula: C <sub>11</sub> H <sub>19</sub> N <sub>2</sub> O <sub>4</sub> P		
Molecular Weight:	274.26 (g/mol)			
	Observed	Standard		
HPLC Purity:	99% at 254 nm		≥ 95% at 254 nm	
NMR (D <sub>2</sub> O)				
Result:	Meets specification		Consistent with structure	
Nuclei:	1H		1H	
Absorption (Methanol)				
Wavelength (λ <sub>max</sub> ):	294 nm		293 ± 3 nm	
Extinction:	1,700 cm <sup>-1</sup> M <sup>-1</sup>		1,700 ± 150 cm <sup>-1</sup> M <sup>-1</sup>	
TLC Purity:	> 99%		≥ 95%	
TLC System:	60:40 Acetonitrile / Water with Ninhydrin Dip			
Storage:	Freeze: Store at -5 to -30°C (F), Protect from moisture (D), Protect from light (L)			
Production Lot: 149	Release:	09-Jun-201	15 Exp	piration: 09-Jun-2025
Structure: $H_2N \longrightarrow 0 \longrightarrow 0 \longrightarrow CH_3$ $0 \longrightarrow 0 \longrightarrow CH_3$ $CH_3 \longrightarrow CH_3$				

This data reflects the accuracy of the analysis of the subject lot For research use only. Not for human use. No animal source. This material is chemically synthesized and manufactured in the USA

**Date:** 09-Jun-2015

Approved by: Dianna M Wineinger

Analytical Services Manager

Signature: