



Lysophosphatidylcholine (LPC) Reference Standards

Catalog No. NSK-LPC



This dried-down mix comprises four lysophosphatidylcholine (LPC or Lyso-PC) standards. Accurate and complete reconstitution of the vial's contents in 1 mL of high-purity solvent will produce the concentrations listed in the table below.

Reconstitution Recommendations for Concentrated Stock

- Solubilize the dried-down mix in 1 mL of 95%:5% (v/v) methanol:water.
- Sonicate the reconstituted vial for 3 minutes then auto-vortex for 10 seconds or until complete dissolution is achieved.

Aliquots of the concentrated stock can then be processed, diluted according to the following instructions, or stored (per the usage specifications below).

Dilution Recommendations for Working Stock

To prepare working stock solutions, dilute 1 mL (reconstituted vial contents per instructions above) of the concentrated LPC standard with pure solvent.

Composition

Standard (Abbreviation)	Label and Enrichment	MW (Da)	Conc. (μM)	Structure
Lysophosphatidylcholine (Lyso-PC 20:0)	eicosanoyl-12,12,13,13-D ₄ , 98%	555.77	5.5	
Lysophosphatidylcholine (Lyso-PC 22:0)	docosanoyl-1,2,3,4,5,6- ¹³ C ₆ , 99%	585.75	5.5	
Lysophosphatidylcholine (Lyso-PC 24:0)	tetracosanoyl-1,2,3,4,5,6- ¹³ C ₆ , 99%	613.81	5.5	
Lysophosphatidylcholine (Lyso-PC 26:0)	hexacosanoyl-1,2,3,4,5,6- ¹³ C ₆ , 99%	641.85	5.5	

Note: A mix of unlabeled LPC standards is also available.

Usage Specifications

Criteria	Recommendation
Before reconstitution:	
Storage	-20°C; protect from light
Recommended retest	1 year

Chemical purity (CP) is 98% or greater, unless otherwise indicated. For research use only. Not for use in diagnostic procedures.

