

Analytical Data Sheet

Lot number	1000047249 not for drug use
Product	1,2-Dipalmitoyl-rac-glycero-3-phosphocholine
Product number	4005610.1000
Molecular formula	C ₄₀ H ₈₀ NO ₈ P
Relative molecular mass	734.05

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in CHCl ₃)
Identification (ESI-MS)	m = 733.8u (average mass)
Melting point	235°C
Purity (TLC)	> 95%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ammoniummolybdat, J ₂
Assay (elemental analysis)	95.9% (C _{Th} 65.45%, C _{Fd} 62.78%)
Water content (KF volumetric)	2.3%

Latest update: March 30, 2021

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