

Analytical Data Sheet

Lot number **1076263**
not for drug use

Catalog number **O-1300.0025**
Product number **4008363.0025**
Product **1- O- Hexadecyl- sn- glycerol- 3- phosphocholine**
Molecular formula **C₂₄H₅₂NO₆P**
Relative molecular mass **481.65**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -6.2^\circ$ (1 % in chloroform/methanol (1 : 1))
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/water 10/8/2 chloroform/water/methanol 8/1/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ammoniummolybdate
Assay (elemental analysis)	98.3% (Nth 2.91 %, Nfd 2.86 %)
Water content (KF volumetric)	1.2%
Residual organic solvents (GC)	none detected

Latest update: April 17, 2018

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