

Analytical Data Sheet

Lot number

1006609

not for drug use

Catalog Number	O-1380.0100
Product number	4005686.0100
Product	1- O- Octadecyl- sn- glycerol- 3- phosphocholine
Molecular formula	C ₂₆ H ₅₆ NO ₆ P
Relative molecular mass	509.71

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in EtOH)
Identification (ESI-MS)	m = 509.70 u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_{365}^{24} = -17.9^{\circ}$ (0.5 % CHCl ₃ /MeOH (1/1))
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/H ₂ O 8/6/1 chloroform/methanol/H ₂ O 5/4/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ammoniummolybdate, rhodamin B
Assay (elemental analysis)	98.3% (Cth 61.27 %, Cfd 60.24 %)
Water content (KF volumetric)	0.3%
Latest update: October 24, 2008	

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