

Analytical Data Sheet

Lot number

1050263

not for drug use

Catalog Number	O-1220.0001
Product number	4005604.0001
Product	1, 2- Distearoyl- rac- glycerol
Molecular formula	C ₃₉ H ₇₆ O ₅
Relative molecular mass	625.03

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in chloroform/methanol 1/1)								
Identification (ESI-MS)	m = 625.0u (average mass)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 74.9%</td> <td>C = 74.7%</td> </tr> <tr> <td>H = 12.3%</td> <td>H = 12.2%</td> </tr> <tr> <td>N = ---%</td> <td>N = ---%</td> </tr> </table>	Theory	Found	C = 74.9%	C = 74.7%	H = 12.3%	H = 12.2%	N = ---%	N = ---%
Theory	Found								
C = 74.9%	C = 74.7%								
H = 12.3%	H = 12.2%								
N = ---%	N = ---%								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 95%								
TLC conditions	ethylacetate/hexane 2/8 chloroform/ethylacetate/acetic acid 90/10/2 ethylacetate/hexane 4/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate, Rhodamin B								
Assay (elemental analysis)	99.7% (Cth 74.94%, Cfd 74.72%)								
Water content (KF volumetric)	0.4%								
Latest update: October 08, 2013									