



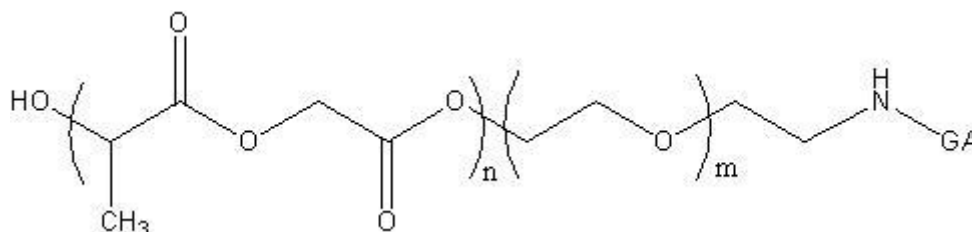
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Certificate of Analysis

General properties:

Product Name: PLGA-PEG-Glycocholic Acid PLGA LA/GA: 50:50, 75:25
Molecular Weight: PEG MW:550/750/1000/2000/3400/5000/10000 Dalton
PLGA MW:1000/2000/5000/7000/10000/15000/20000/25000/30000/35000/40000 Dalton
Catalog Number: R-PL1021
Lot Number: RO018184

Product Structure:



Product Specifications:

Items	Specification	Results
Appearance	White/Off-white solid or viscous liquid	White/Off-white solid or viscous liquid
¹ H NMR	Identical to the Structure	Identical to the Structure
PDI	<1.3	<1.3
Substitution of GA by NMR	>90%	>90%

Date of Analysis: 2018.10.18

Recommended Retest date: 2019.10.17

Recommended Storage: -20°C, protected from light and moisture

Stability: 1 year

This product is for research use only, Not for human or animal use