

Materials List for:

# Preparation and Characterization of Lipophilic Doxorubicin Pro-drug Micelles

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## Materials

Name	Company	Catalog Number	Comments
DSPE-PEG2K	Cordenpharm	LP-R4-039	>95%
Doxorubicin	LC Laboratories	D-4000	>99%
Palmitic Acid Hydrazide	TCI AMERICA	P000425G	>98.0%
Methanol	ACROS Organics	610981000	Anhydrous
Methylene chloride	FISHER	D151-4	99.90%
Methyl sulfoxide-d <sub>6</sub>	ACROS Organics	AC320760075	NMR solvent
Trifluoroacetic Acid	ACROS Organics	AC293811000	99.50%
Silica Gel	FISHER	L-7446	230-400 mesh
Baker Flex TLC Plates	FISHER	NC9990129	
DPBS	Sigma-Aldrich	D8537	
DU 145 Prostate Cancer Cells	ATCC	HTB-81	
MTT	ACROS Organics	158990050	98%
RPMI 1640 Medium	MEDIATECH INC	10041CV	
Antibiotic-Antimycotic	LIFE TECHNOLOGIES	15240062	100x stock solution
Fetal Bovine Serum	LIFE TECHNOLOGIES	10437077	
Nuclear Magnetic Resonance Spectroscopy	Varian, Inc		300 NMR
Büchi R-3 Rotavapor	Buchi	1103022V1	Rotary evaporator
Ultrasonic Bath	BRANSON ULTRASONICS CORPORATION	CPX952318R	
UV-VIS spectrometer Biomate 3	Thermo Spectronic		
Zetasizer Nano ZS90	Malvern Instruments		Particle Size Analyser
Microplate Spectrophotometer	Rio-Rad	Benchmark Plus	
Cell Culture Incubator	Napco	CO2 6000	
Biological Safety Cabinet	Nuaire		
SigmaPlot	Systat Software, Inc.		Analytical Software
96-Well Cell Culture Plate	Becton Dickinson	353072	
Trypsin 0.25%	Corning Cellgro	25-053-CI	