

Materials List for

# Facile Preparation and Photoactivation of Prodrug-Dye Nanoassemblies

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## Materials

Name	Company	Catalog Number	Comments
1260 Infinity II HPLC	Agilent Technologies		
2,4-Dimethyl pyrrole	J&K Scientific	315305	
3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyl tetrazolium bromide(MTT)	Gibco	M6494	
4-Dimethylaminopyridine (4-DMAP)	J&K Scientific	212279	
90 mm Petri Dish Clear Treated Sterile	SPL	11090	
96-well Tissue Culture Plate Clear Treated Sterile	SPL	30096	
Acetoxyacetyl chloride	J&K Scientific	192001	
Boron trifluoride diethyl etherate	J&K Scientific	921076	
Büchner funnel	AS ONE	3-6466-01	
Chlorambucil	J&K Scientific	321407-1G	
CM100 Transmission Electron Microscope	Philips		
CombiFlash RF chromatography system	Teledyne ISCO		
Dichloromethane	DUKSAN Pure Chemicals	JT9315-88	
Dimethyl sulfoxide	DUKSAN Pure Chemicals	2762	
Disposable cuvette	Malvern Panalytical	DTS1070	Zeta potential measurement
Disposable cuvette	Malvern Panalytical	ZEN0040	
Empty Disposable Sample Load Cartridges	Teledyne ISCO	693873225	can hold up to 65 g
Fetal bovine serum	Gibco	10270106	
Filtering flask	AS ONE	3-7089-03	
Hexane	DUKSAN Pure Chemicals	4198	
Holey carbon film on copper grid	Beijing Zhongjingkeyi Technology Co.,Ltd	BZ10023a	

HPLC column (InfinityLab Poroshell 120)	Agilent Technologies	695975-902T	
Integrating sphere photodiode power sensor	Thorlabs	S142C	
IR783	Tokyo Chemical Industry (TCI) Co., Ltd	I1031	
LED	Mightex	LCS-0530-15-11	
LED Driver Control Panel V3.2.0 (Software)	Mightex		
Lithium Hydroxide Anhydrous	TCI	L0225	
Methylmagnesium iodide, 3M solution in diethyl ether	Aladdin	M140783	
N,N-Diisopropyl ethyl amine (DIPEA)	J&K Scientific	203402	
N,N'-Dicyclohexylcarbodiimide (DCC)	J&K Scientific	275928	
penicillin–streptomycin	Gibco	15140122	
Phosphate-buffered saline (10×)	Sigma-Aldrich	P5493	
Power and energy meter	Thorlabs	PM100 USB	
Rotavapor	BUCHI Rotavapor R300		
RMPI 1640	Gibco	21870076	
Separatory funnel (125 mL)	Synthware	F474125L	
Silver Silica Gel Disposable Flash Columns, 40 g	Teledyne ISCO	692203340	
Sodium sulfate, anhydrous	Alfa Aesar	A19890	
SpectraMax M4	Molecular Devices LLC		
Tetrahydrofuran (THF), anhydrous	J&K Scientific	943616	
Trypsin-EDTA (0.25%), phenol red	Gibco	25200056	
Vortex	DLAB Scientific Co., Ltd	MX-S	
Zetasizer Nano ZS90	Malvern Instrument		