

Materials List for

Synthesis of Strong Adhesive Hydrogel, Gelatin O-Nitrosobenzaldehyde

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Materials

Name	Company	Catalog Number	Comments
1-(3Dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride (EDC)	Aladdin	L287553	
4-Hydroxy-3-(methoxy-D3) benzaldehyde	Shanghai Acme Biochemical Co., Ltd	H946072	
DCM	Aladdin	D154840	
Dichloromethane	Sigma-Aldrich	270997	
Dimethyl sulfoxide (DMSO)	Sigma-Aldrich	20-139	
dimethylformamide (DMF)	Sigma-Aldrich	PHR1553	
gelatin	Sigma-Aldrich	1288485	
magnesium sulfate	Sigma-Aldrich	M7506	
MeOH	Sigma-Aldrich	1424109	
methyl 4-(4-formyl-2-methoxyphenoxy methoxyphenyl) butanoic acid methyl ester	chemsrc	141333-27-9	
methyl 4-bromobutyrate	Aladdin	M158832	
NaBH4	Sigma-Aldrich	215511	
N-hydroxysuccinimide (NHS)	Aladdin	D342712	
nitric acid	Sigma-Aldrich	225711	
potassium carbonate	Sigma-Aldrich	209619	
SEM (Nova Nano 450)	Thermo FEI	17024560	
THF/EtOH	Aladdin	D380010	
trifluoroacetic acid (TFA)	Sigma-Aldrich	8.0826	