

Materials List for:

Facile Protocol for the Synthesis of Self-assembling Polyamine-based Peptide Amphiphiles (PPAs) and Related Biomaterials

Mehdi Bin Samad¹, Krishnaiah Maddeboina¹, Nathalia Rodrigues de Almeida¹, Martin Conda-Sheridan¹

¹Department of Pharmaceutical Sciences, University of Nebraska Medical Center

Correspondence to: Martin Conda-Sheridan at martin.condasheridan@unmc.edu

URL: <https://www.jove.com/video/57908>

DOI: [doi:10.3791/57908](https://doi.org/10.3791/57908)

Materials

Name	Company	Catalog Number	Comments
2-Chlorotriptyl chloride resin	AappTec	RTZ001	
Synthware™ synthesis vessel	Aldrich	SYNP120050M	
Dichloromethane	Acros	AC406920250	Fisher Sci. Catalogue #
Wrist Shaker	Boekel Scientific	401000-2	
Kaiser test kit	Sigma-Aldrich	60017	
2-[(4,4-dimethyl-2,6-dioxocyclohex-1-ylidene)ethyl-amino]-ethanol	Sigma-Aldrich	CDS004772	
Anhydrous Methanol	Acros	AC610981000	Fisher Sci. Catalogue #
Chloranil test kit	TCI	TCC1771-KIT	VWR Catalogue #
Di-tert butyl di-carbonate	Acros	AC194670250	Fisher Sci. Catalogue #
Dimethylformamide	Fisher Scientific	BP1160-4	
Hydrazine	Acros	AC296815000	Fisher Sci. Catalogue #
(2-(1H-benzotriazol-1-yl)-1,1,3,3-tetramethyluronium hexafluorophosphate)	p3biosystems	31001	
4-methyl piperidine	Acros	AC127515000	Fisher Sci. Catalogue #
Trifluoroacetic Acid	AappTec	CXZ035	
Triisopropyl Silane	Sigma-Aldrich	233781	
Ether	Fisher Scientific	E138-1	
α-Cyano-4-hydroxycinnamic acid	Sigma-Aldrich	C8982	
9-Aminoacridine	Sigma-Aldrich	92817	
Fisherbrand Syringe Filters: PTFE Membrane	Fisher Scientific	09-730-21	