

Materials List for:

Highly Stereoselective Synthesis of 1,6-Ketoesters Mediated by Ionic Liquids: A Three-component Reaction Enabling Rapid Access to a New Class of Low Molecular Weight GelatorsHenrik Sundén¹, Linda Ta¹, Anton Axelsson¹¹Chemistry and Chemical Engineering, Chalmers University of TechnologyCorrespondence to: Henrik Sundén at sundenh@chalmers.seURL: <https://www.jove.com/video/53213>DOI: [doi:10.3791/53213](https://doi.org/10.3791/53213)**Materials**

Name	Company	Catalog Number	Comments
1-ethyl-3-methyl imidazolium acetate	Aldrich	51053-100G-F	Produced by BASF ≥90%, dried on a rotary evaporated before use (10 mBar, 40 °C, 1 hr) CAS NUMBER: 143314-17-4
1,3-diphenyl-2-propen-1-one	Aldrich	11970-100G	98.0% CAS NUMBER: 94-41-7
trans-cinnamaldehyde	Aldrich	C80687-25G	99%, stored under nitrogen prior to use CAS NUMBER: 14371-10-9
1,8-Diazobicyclo[5.4.0]undec-7-ene	Aldrich	139009-25G	98% CAS NUMBER: 6674-22-2
Methanol	Sigma-Aldrich	32213N-2.5L	puriss. P.a., ACS reagent, reag. ISO, reag. Ph. Eur. ≥99.8% (GC) CAS NUMBER: 67-56-1
Dichloromethane	Fischer Chemical	D/1852/17X	Analytic reagent grade, stabilized with amylene CAS NUMBER: 9/2/1975
n-Heptane	Fischer Chemical	H/0160/17X	Analytic reagent grade CAS NUMBER: 142-82-5