

Materials List for:

Synthesis of Esters Via a Greener Steglich Esterification in Acetonitrile

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Materials

Name	Company	Catalog Number	Comments
<i>trans</i> -cinnamic acid	Acros Organics	158571000	
butyric acid	Sigma-Aldrich	B103500	Caution: corrosive
hexanoic acid	Sigma-Aldrich	153745-100G	Caution: corrosive
decanoic acid	Sigma-Aldrich	21409-5G	Caution: corrosive
phenylacetic acid	Sigma-Aldrich	P16621-5G	
3-methoxybenzyl alcohol	Sigma-Aldrich	M11006-25G	
diphenylmethanol	Acros Organics	105391000	Benzhydrol
chloroform- <i>d</i>	Acros Organics	166260250	99.8% with 1% v/v tetramethylsilane, Caution: toxic
hexane	BDH Chemicals	BDH1129-4LP	Caution: flammable
ethyl acetate	Sigma-Aldrich	650528	Caution: flammable
diethyl ether	Fisher Scientific	E138-500	Caution: flammable
acetonitrile	Fisher Scientific	A21-1	ACS Certified, >99.5%, Caution: flammable
4-dimethylaminopyridine	Acros Organics	148270250	Caution: toxic
magnesium sulfate	Fisher Scientific	M65-3	
hydrochloric acid, 1 M	Fisher Scientific	S848-4	Caution: corrosive
sodium chloride	BDH Chemicals	BDH8014	
sodium bicarbonate	Fisher Scientific	S25533B	
1-ethyl-3-(3-dimethylaminopropyl)carbodiimide hydrochloride	Chem-Impex	00050	Caution: skin and eye irritant
thin layer chromatography plates	EMD Millipore	1055540001	aluminum backed sheets
Note: All commercially available reagents and solvents were used as received without further purification.			