

Materials List for:

Preparation of *N*-(2-alkoxyvinyl)sulfonamides from *N*-tosyl-1,2,3-triazoles and Subsequent Conversion to Substituted Phthalans and Phenethylamines

John M. Bennett¹, Jonathan D. Shapiro¹, Krystina N. Choinski¹, Yingbin Mei¹, Sky M. Aulita¹, Giovanni M. Dominguez¹, Max M. Majireck¹

¹Chemistry Department, Hamilton College

Correspondence to: Max M. Majireck at mmajirec@hamilton.edu

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Materials

Name	Company	Catalog Number	Comments
2-Ethynylbenzyl alcohol, 95%	Sigma Aldrich	520039	
Copper (I) thiophene-2-carboxylate	Sigma Aldrich	682500	
Chloroform, ≥99%	Sigma Aldrich	372978	
Toluenesulfonylazide, 99.24%	Chem-Impex International	26107	Potentially explosive
Dichloromethane, ≥99.5%	Sigma Aldrich	320269	
Rhodium (II) acetate dimer, 99%	Strem Chemicals	45-1730	
Silica Gel, 32-63, 60A	MP Biomedicals Inc.	2826	For silica gel plugs
Hexanes	Sigma Aldrich	178918	
Ethyl acetate	Sigma Aldrich	439169	
Chloroform-D	Sigma Aldrich	151823	
Ethylene glycol	Sigma Aldrich	293237	
Chlorotrimethylsilane, 98%	Acros	11012	
Sodium bicarbonate	Sigma Aldrich	S6014	Dissolved in deionized water to prepare a saturated aqueous solution
Sodium sulfate	Fisher Scientific	S429	
Ethyl alcohol, absolute - 200 proof	Aaper Alcohol and Chemical Co.	82304	
10 wt% Palladium on carbon	Sigma Aldrich	520888	Can ignite in the presence of air, hydrogen gas, and/or a flammable solvent
Hydrogen gas	Praxair	UN1049	
Diethyl ether	Sigma Aldrich	309966	
60 wt% sodium bis(2-methoxyethoxy)aluminum hydride solution in toluene	Sigma Aldrich	196193	Reacts violently with water
Methanol	Sigma Aldrich	34966	
Ammonium chloride	Fisher Scientific	A661	Dissolved in deionized water to prepare a saturated aqueous solution
Hydrochloric acid, 37%	Sigma Aldrich	258148	Dissolved in deionized water to prepare a 1M solution
Sodium Chloride	Sigma Aldrich	S25541	Dissolved in deionized water to prepare a saturated aqueous solution
2-5 mL Microwave vials	Biotage	355630	
Microwave vial caps	Biotage	352298	
RediSep Rf Gold Normal Phase, Silica Columns, 20 – 40 micron	Teledyne Isco	69-2203-345	For column chromatography

Balloons	CTI Industries Corp.	912100	For hydrogenation
Biotage Initiator+ Microwave Reactor	Biotage	356007	