

Materials List for:

A Protocol for Safe Lithiation Reactions Using Organolithium Reagents

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Materials

Name	Company	Catalog Number	Comments
Schlenk Flask, 25 ml	Chemglass	AF-0520-02	25 ml Flask, Reaction, 14/20 outer joint, 2 mm glass stpk, Air-free, Schlenk
Rubber Septum	Chemglass	CG-3024-01	Septum stopper, suba-seal, For 14/20-14/35 outer joints and 12.5 mm ID tubing
Stir Bar	Fisher Scientific	14-512-130	Various sized stir bars
<i>tert</i> -butyllithium	Sigma-Aldrich	186198-4X25ML	1.7 M <i>t</i> -butyllithium in pentane, 4 x 25 ml
<i>tert</i> -butylamine	Sigma-Aldrich	391433-100ML	<i>tert</i> -butylamine, purified by redistillation, >99.5%
hexanes	Fisher Scientific	H292-4	4 L, certified ACS, hexanes, >98.5%
isopropanol	Fisher Scientific	A416-4	4 L, 2-propanol, certified ACS plus, >99.5%
Dry ice	Airgas		
Pure Solv Solvent Purification System	Inert Technology	MD-5	Alumina columns through which fresh, degassed solvents are passed to remove water.
Aldrich Sure/Seal septum-inlet transfer adapter	Sigma-Aldrich	Z407186	Adapter for removal of air-sensitive reagents under nitrogen blanket
Keck Standard Taper Clips	Chemglass	CG-145-03	clamp for securing glassware connections
Addition Funnel	Kontes	K634000-0060	Funnel for dropwise addition of reagent to flask