

Materials List for:

## Retropinacol/Cross-pinacol Coupling Reactions - A Catalytic Access to 1,2-Unsymmetrical Diols

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### Materials

Name	Company	Catalog Number	Comments
1,2-Dichloromethane	Sigma-Aldrich	319929	
Titanium(IV) <i>tert</i> -butoxide	VWR International	200014-852	
2-Ethylbutyraldehyde	Sigma-Aldrich	110094	
Benzopinacol	Aldrich	B9807	
Triethylchlorosilane	Aldrich	235067	
Hexane, certified ACS	Fisher Scientific	H29220	
Acetone, certified ACS	ACROS	42324	
Ammonium chloride	ACROS	19997	
Sodium hydrogen carbonate	ACROS	12336	
Magnesium sulfate	ACROS	41348	
Silica gel 60 F <sub>254</sub> TLC plates	VWR International	1,057,140,001	
Silica gel, 0.035-0.070 for flash-chromatography	ACROS	240360300	