

Materials List for:

Synthesis of Hypervalent Iodonium Alkynyl Triflates for the Application of Generating Cyanocarbenes

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Materials

Name	Company	Catalog Number	Comments
Reagent			
Phenyl acetylene	Acros	AC152461000	
Tri-n-butyltin chloride	Acros	139351000	
Lithium bis(trimethylsilyl)amide	Acros	347701000	
Iodobenzene diacetate	Acros	176560250	
Trimethylsilyl cyanide	Aldrich	212849	Extremely toxic. Handle this chemical only in an adequately ventilated hood with extreme caution.
Trimethylsilyl triflate	Alfa Aesar	A12535	
Sodium Azide	Sigma-Aldrich	S8032	Shock sensitive.
Tetrabutylammonium azide	Aldrich	651664	If possible, store and handle in a glovebox due to this compound's hygroscopic nature.
1-Heptyne	Acros	223460250	
Styrene	Aldrich	240869	
Material			
Rotary Evaporator (Hei-VAP)	Heidolph	517-61000-01-0	
Glovebox	MBRAUN	UL-018	