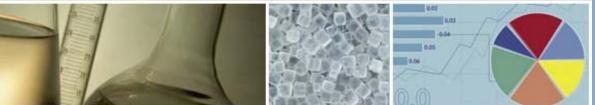
كلية العلوم College of Sciences

جامعة الملك عبدالعزيز King Abdulaziz University







> MainPage	Research Details :					
About College	Research Title	: Attachment to manganese or cobalt of a bulky tri(organosilyl)				
> Files		methyl ligand containing an NMe2 or an OMe donor group				
Researches		<u>Attachment to manganese or cobalt of a bulky tri(organosilyl)</u> methyl ligand containing an NMe2 or an OMe donor group				
Courses	Descriptipn	 The organolithium compound Li(THF)(2){C(SiMe3)(2)(SiMe2NMe2)} reacted with one equivalent of MnCl2 to give [Mn(mu-Cl){C(SiMe3) (2)(SiMe2NMe2)}](2) (4) and with 0.5 equivalent of MnCl2 to give 				
> Favorite Links						
Our Contacts		Mn{C(SiMe3)(2)(SiMe2NMe2)}(2) together with a small amount of				
Visits Of this Page:4		the Mn-III compound [Mn(mu-O){C(SiMe3)(2)(SiMe2NMe2)}](2) (6) formed by adventitious admission of air. With CoBr2, the compound [Co(mu-Br){C(SiMe3)(2)(SiMe2NMe2)}](2) (7) was obtained. The reaction between the lithium compound Li(THF)(2) {C(SiMe3)(2)(SiMe2OMe)} and MnCl2 in THF gave [Mn(THF)(mu-Cl) {C(SiMe3)(2)(SiMe2OMe)}](2) (5). The crystal structures of compounds 4, 5, 6 and 7 were determined. Compounds 4 and 5 are the first manganese analogues of Grignard reagents containing Mn-C sigma-bonds to be characterised in the solid state. (C) 2002 Elsevier Science B.V. All rights reserved.				
	Research Type	: Article				
	Research Year	: 2002				
	Publisher	: JOURNAL OF ORGANOMETALLIC CHEMISTRY Volume: 649 Issue: 2				

Pages: 121-127

Added Date

: Saturday, June 14, 2008

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