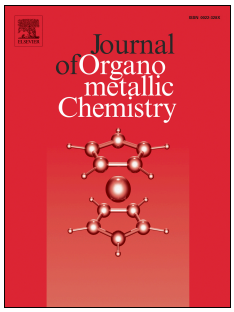
Accepted Manuscript



Synthesis, characterization, and solid-state polymerization properties of two diacetylene derivatives containing phenyl ferrocene

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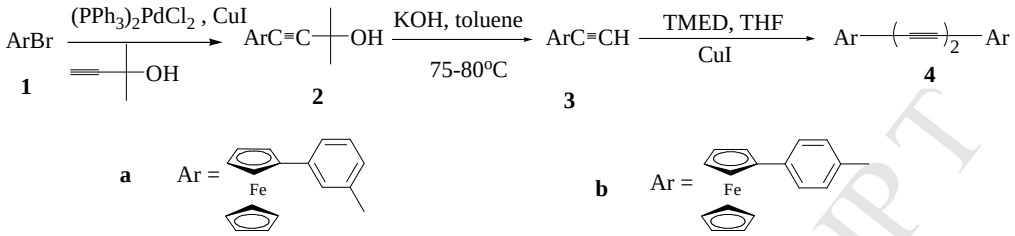
Graphic Abstract



Two diacetylene complexes , 1,4-bis(3- ferrocenylphenyl)- 1,3-butadiyne(**4a**) and 1,4-bis(4-ferrocenylphenyl)-1,3- butadiyne (**4b**), have been prepared. The solid-state polymerization properties of **4a** and **4b** were also investigated.