

Synthesis and High Field ^{13}C NMR Spectra of Isomeric Dibenzylbenzenes

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ABSTRACT

The chem. shifts in the ^{13}C NMR of RCH_2Ph (I; $\text{R} = \text{o-}, \text{m-}, \text{or p-PhCH}_2\text{C}_6\text{H}_4$) are assigned; the agreement between calcd. and predicted chem. shifts indicates that the ^{13}C NMR of all polybenzyls can be accurately predicted. I are prepd. by the reaction of $\text{o-}, \text{m-}, \text{or p-}(\text{ClCH}_2)_2\text{C}_6\text{H}_4$ with C_6H_6 and TiCl_4 .