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Direct synthesis of aryl substituted pyrroles from calcium carbide: an underestimated

chemical feedstock

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Figure 2 ¹³C NMR spectrum of 1a (CDCl₃)



Figure 4 ¹³C NMR spectrum of 2a (CDCl₃)



Figure 5 ¹H NMR spectrum of 3a (CDCl₃)





Figure 6¹³C NMR spectrum of 3a (CDCl₃)



Figure 8 ¹³C NMR spectrum of 4a (CDCl₃)



Figure 10 ¹³C NMR spectrum of 5a (CDCl₃)

Figure 12¹³C NMR spectrum of 6a (CDCl₃)

Figure 14 ¹³C NMR spectrum of 7a (CDCl₃)

Figure 16¹³C NMR spectrum of 8a (CDCl₃)

Figure 18¹³C NMR spectrum of 9a (CDCl₃)

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