

Supporting Information

An Expedient Route to Heterocycles through α -Arylation of Ketons and Arylamides by Microwave Thermal Induced $S_{RN}1$ Reactions

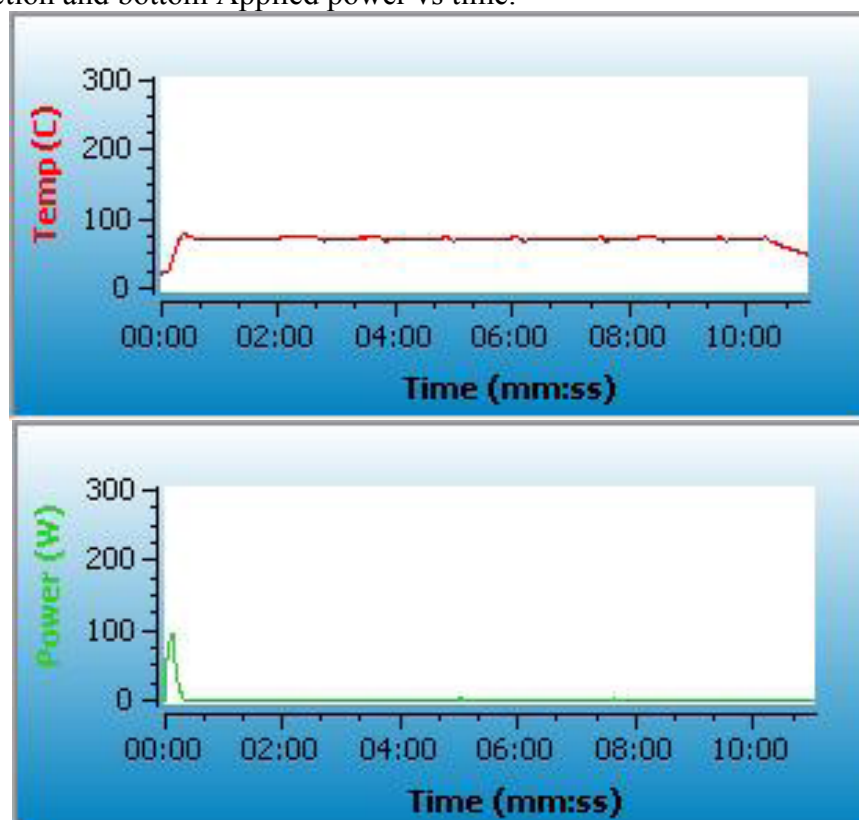
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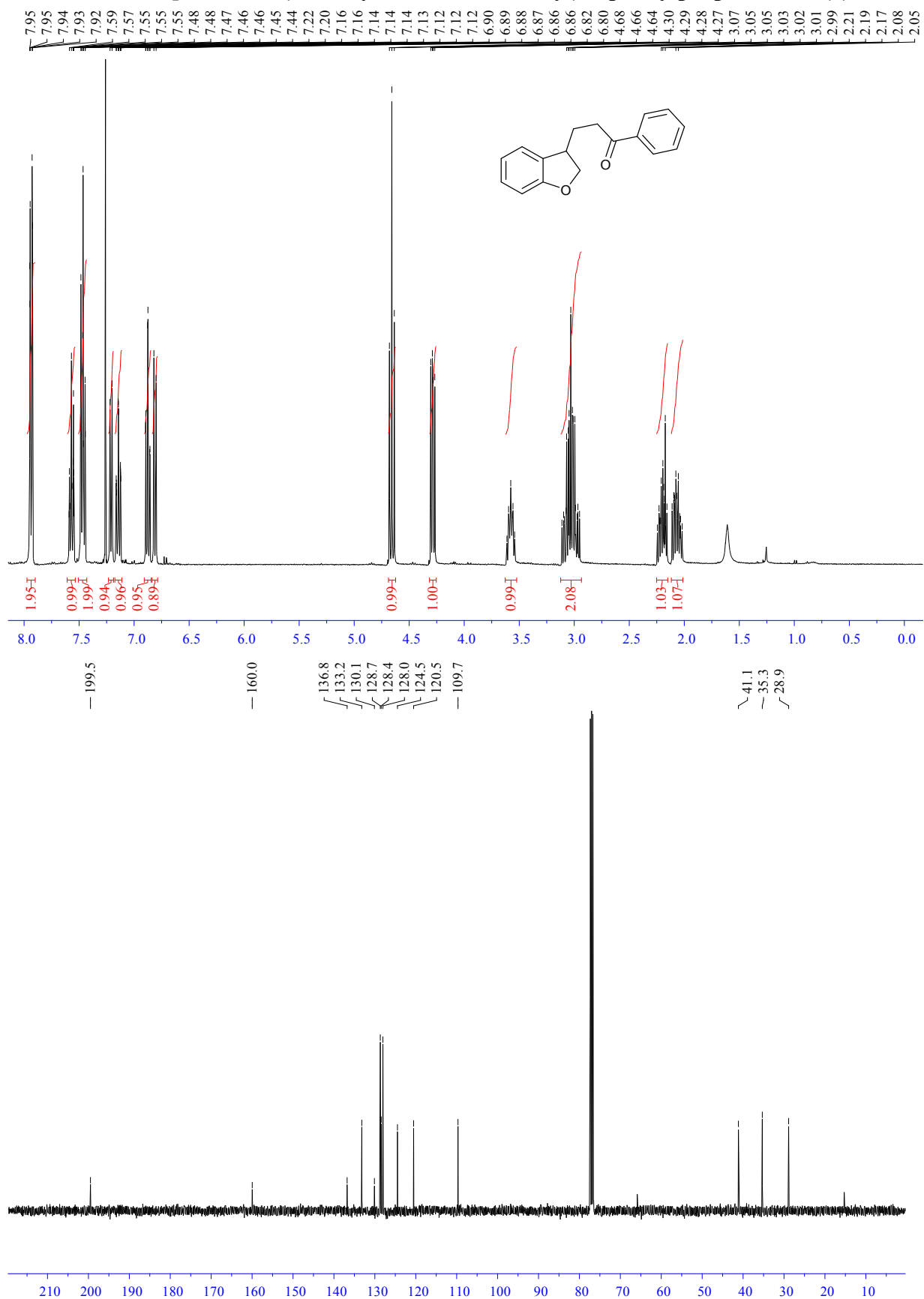
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Typical reaction profile under microwave irradiation in a 10 mL vessel with 2 mL of DMSO. Up Temperature reaction and bottom Applied power vs time.



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^1H and ^{13}C NMR spectra of 3-(2,3-dihydrobenzofuran-3-yl)-1-phenylpropan-1-one (6)



¹H and ¹³C NMR spectra of 1-phenyl-2-(2-(propen-1-yloxy)1-phenylethanone (7)

