

Combination of Enzyme- and Lewis Acid-Catalyzed Reactions: A New Method for the Synthesis of 6,7-Dihydrobenzofuran-4(5*H*)-ones Starting from 2,5-Dimethylfuran and 1,3-Cyclohexanediones

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NMR spectra

All NMR data were processed with *Spinworks 3.1.8.*, copyright © 2011, Kirk Marat,
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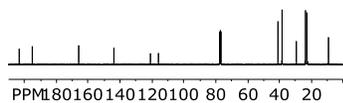
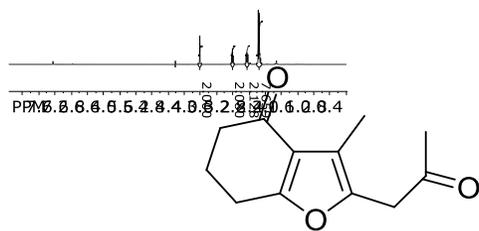


FIGURE 1. ^1H (300 MHz) and ^{13}C (75MHz) NMR spectra of **5a** in CDCl_3 .

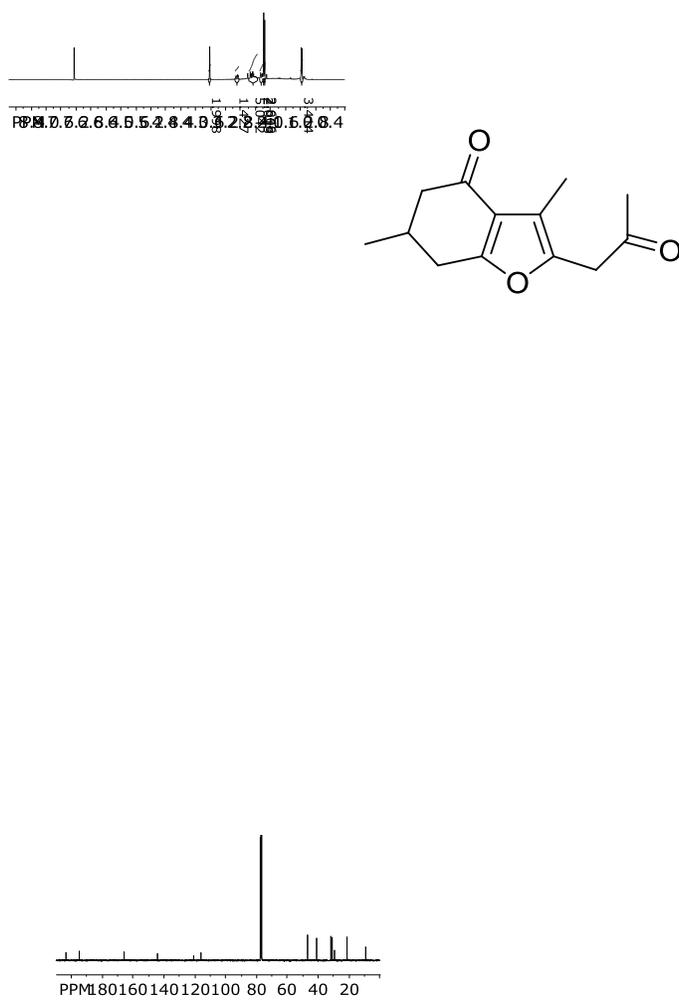


FIGURE 2. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of **5b** in CDCl₃.

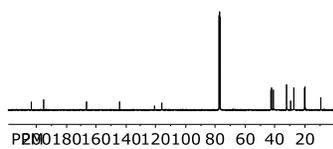
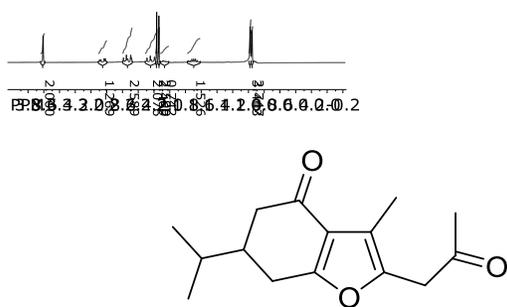


FIGURE 3. ^1H (300 MHz) and ^{13}C (75MHz) NMR spectra of **5c** in CDCl_3

FIGURE 3. ^1H (300 MHz) and ^{13}C (75MHz) NMR spectra of **5c** in CDCl_3 .

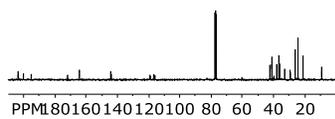
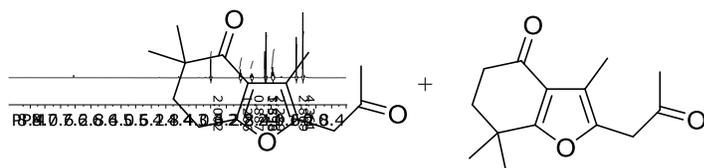


FIGURE 5. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of **5e** in CDCl₃.

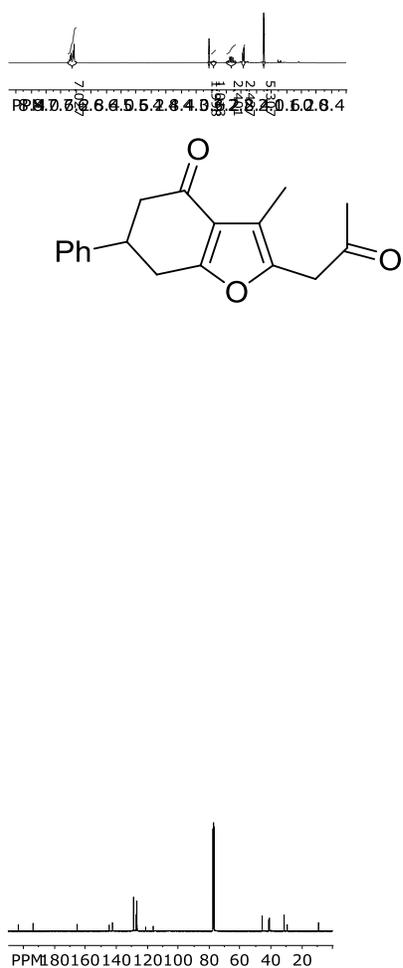


FIGURE 6. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of **5f** in CDCl₃.

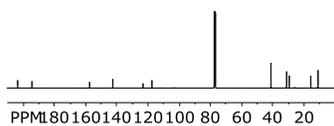
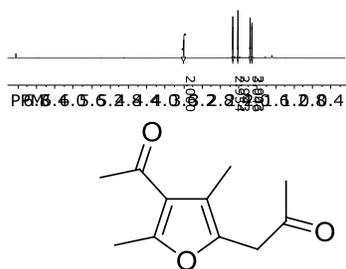


FIGURE 7. ^1H (300 MHz) and ^{13}C (75MHz) NMR spectra of **5g** in CDCl_3 .

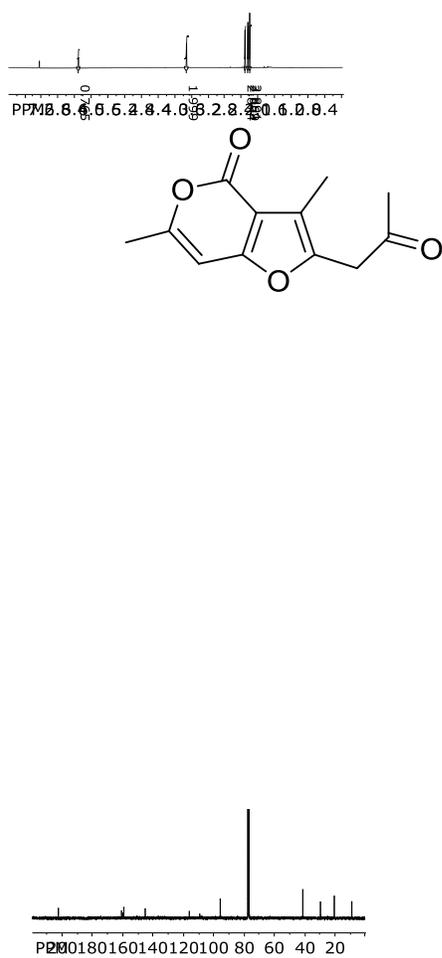


FIGURE 8. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of **5h** in CDCl₃.

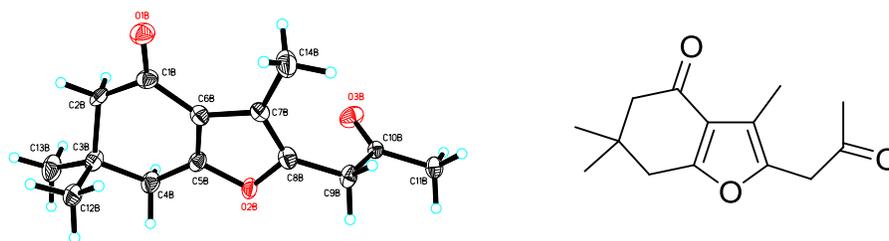


FIGURE 9. Structure of **5d** derived from X-ray crystal structure analysis.