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

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

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

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FIGURE 3. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of 5c in CDCl₃

FIGURE 3. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of 5c in CDCl₃.

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FIGURE 4. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of 5d in CDCl₃.

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

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

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FIGURE 7. ¹H (300 MHz) and ¹³C (75MHz) NMR spectra of 5g in CDCl₃.

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



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