

## SUPPLEMENTARY MATERIALS

### **Cascade cyclocondensation of 4-(cyclohex-1-en-1-yl)morpholine with aryl chloropyruvates giving functionalized 4,5,6,7-tetrahydroindoles**

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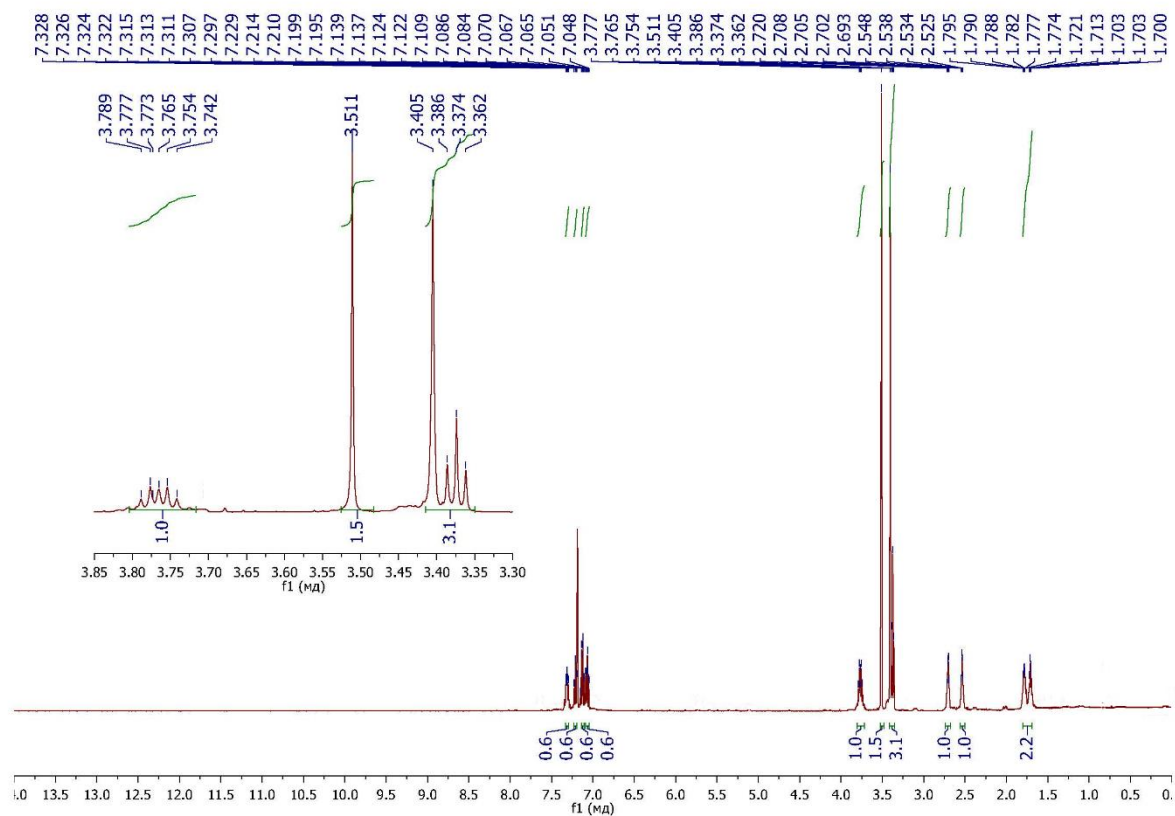
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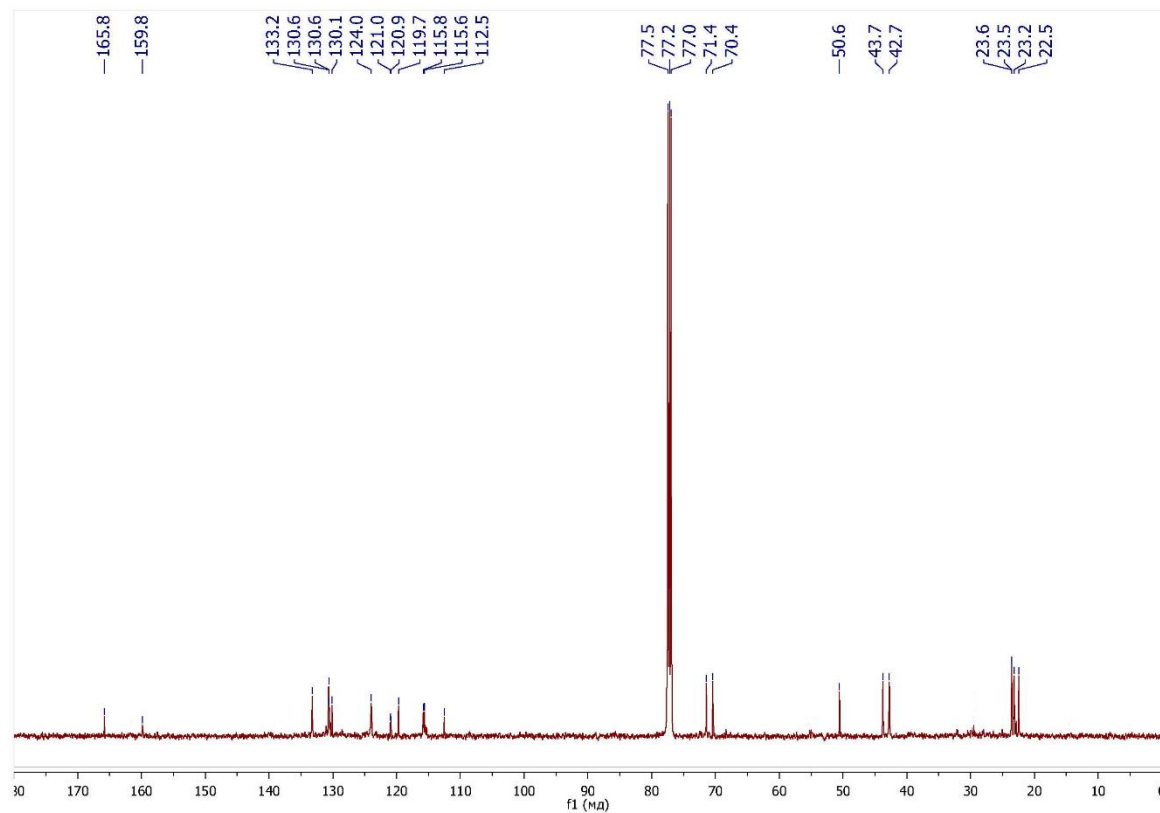
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#### **Table of contents**

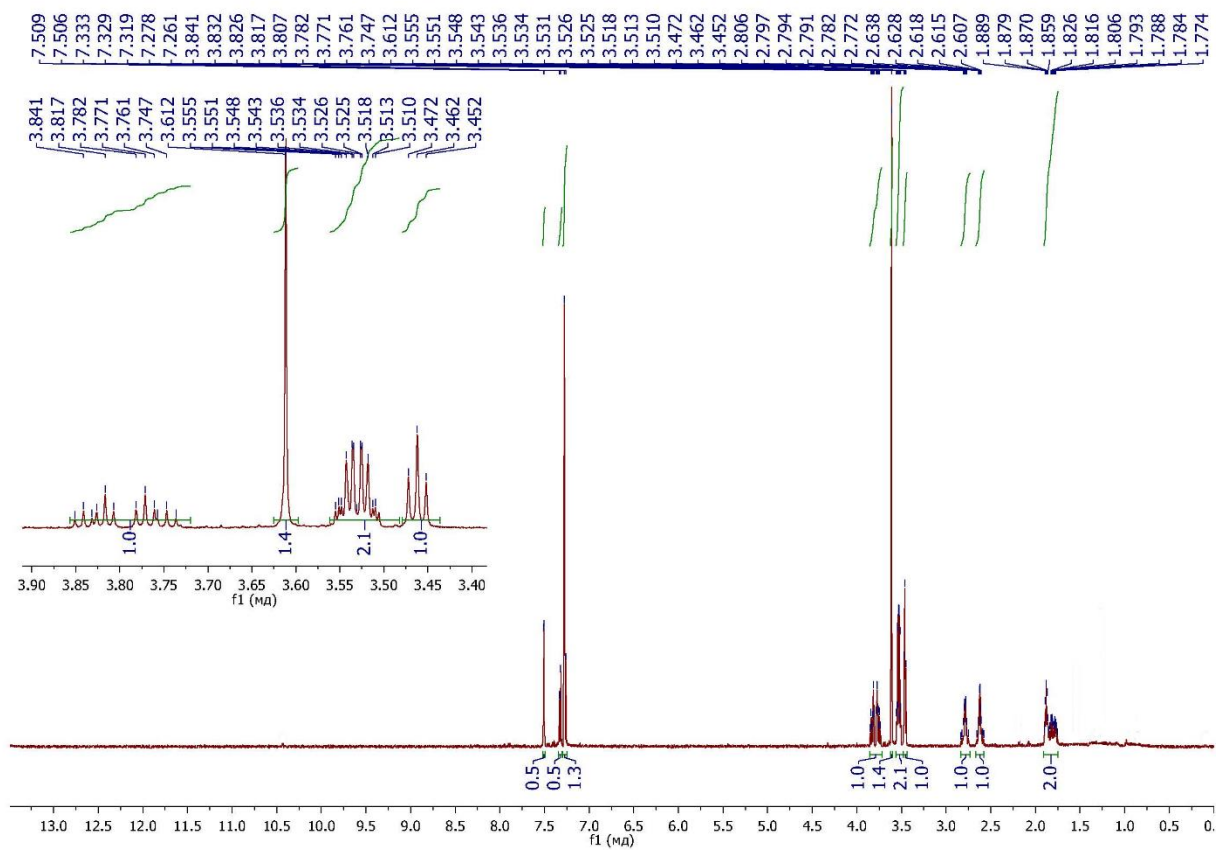
<sup>1</sup>H and <sup>13</sup>C NMR Spectra of compounds **17g**, **17h**, and **20**.



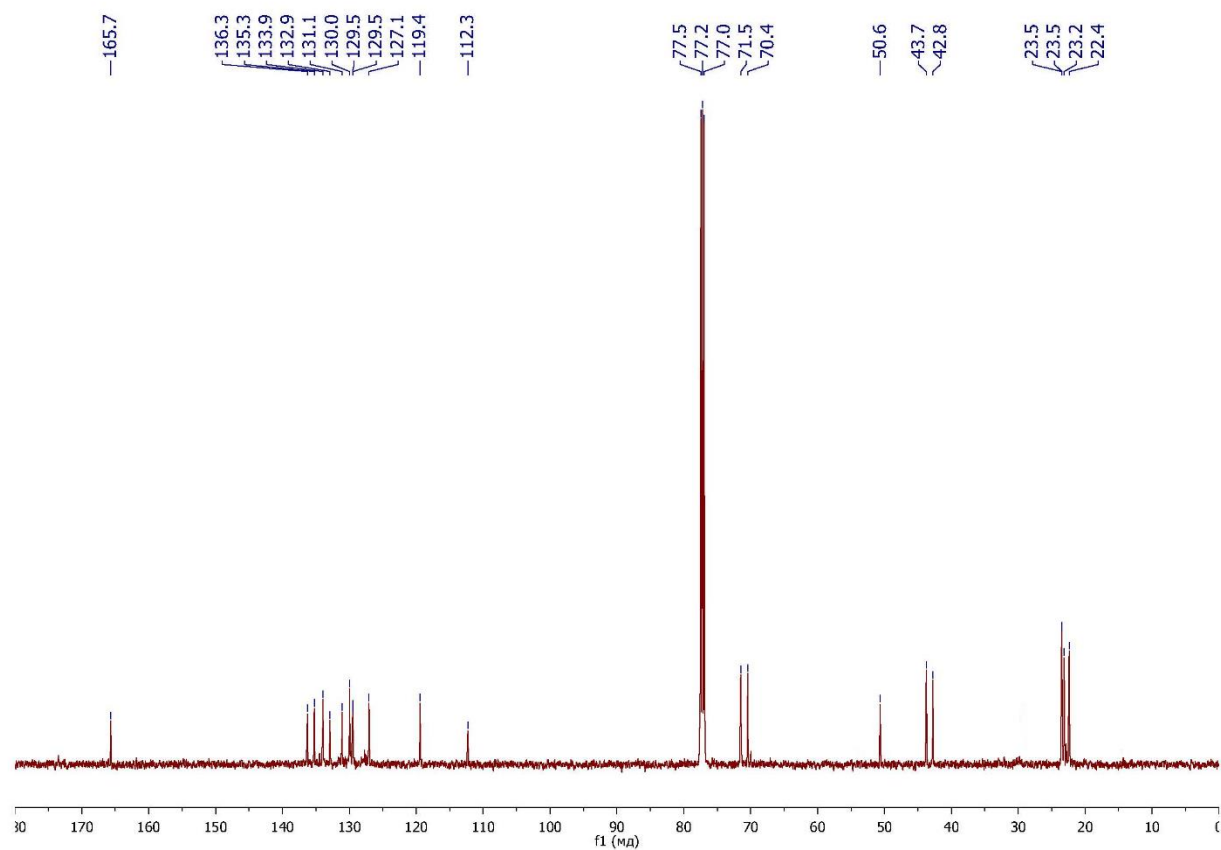
<sup>1</sup>H NMR Spectrum of **17g** (CDCl<sub>3</sub>, 500 MHz).



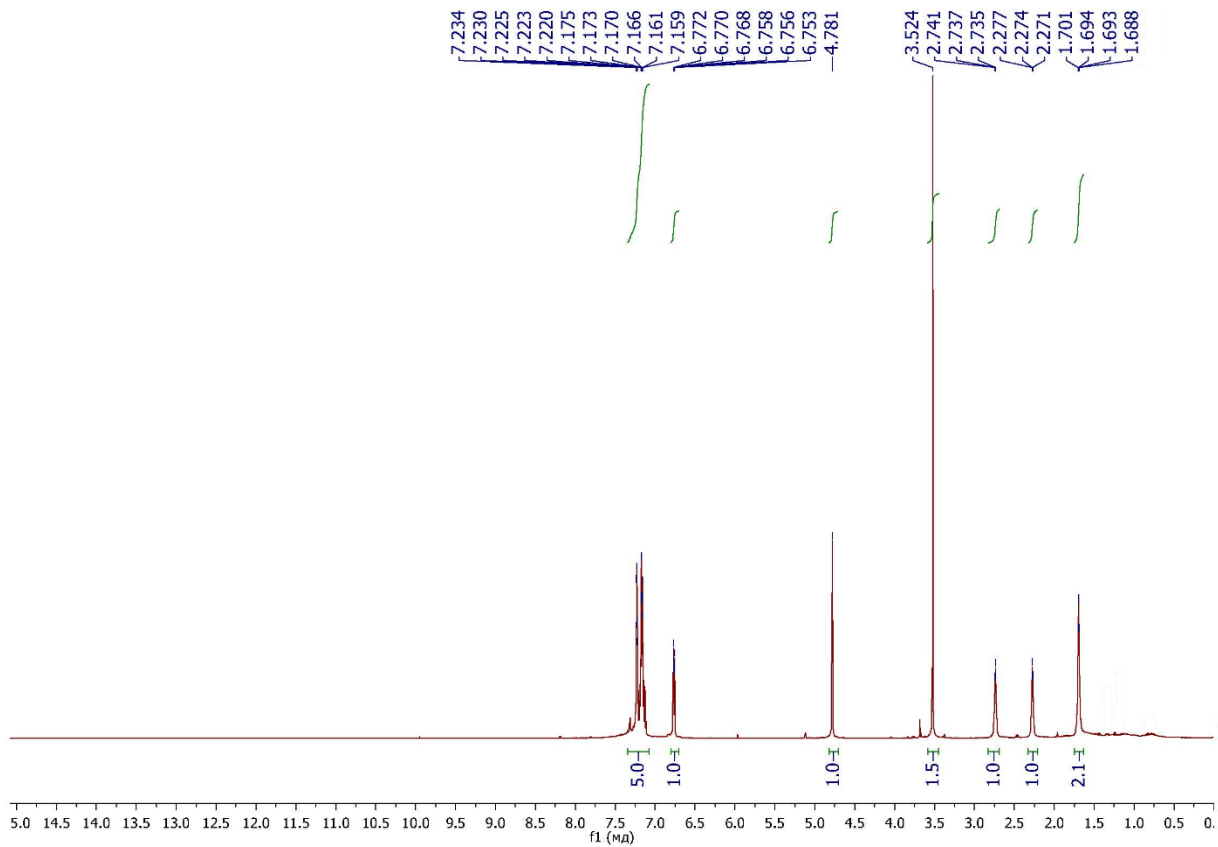
<sup>13</sup>C NMR Spectrum of **17g** (CDCl<sub>3</sub>, 500 MHz).



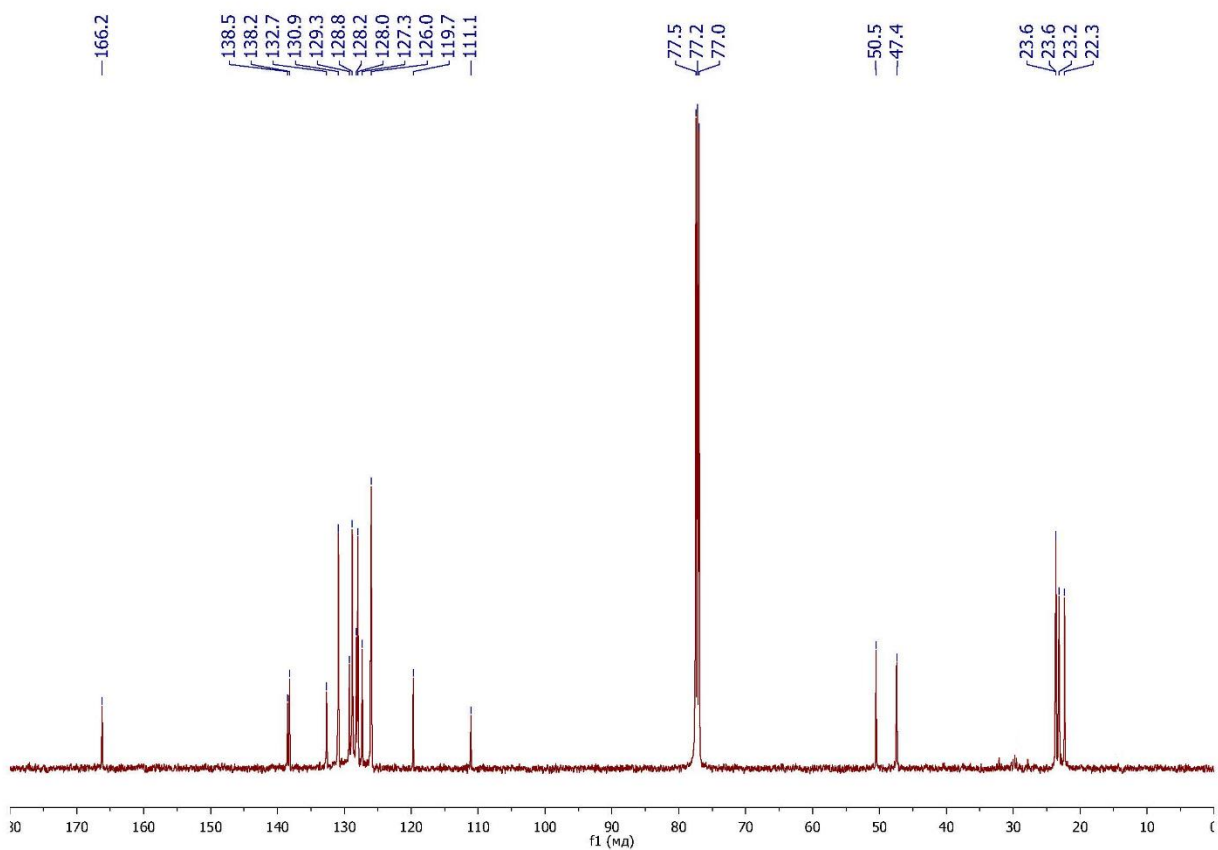
<sup>1</sup>H NMR Spectrum of **17h** (CDCl<sub>3</sub>, 500 MHz).



<sup>13</sup>C NMR Spectrum of **17h** (CDCl<sub>3</sub>, 500 MHz).



$^1\text{H}$  NMR Spectrum of **20** ( $\text{CDCl}_3$ , 500 MHz).



$^{13}\text{C}$  NMR Spectrum of **20** ( $\text{CDCl}_3$ , 500 MHz).