

## Supplementary Material

### Friedel-Crafts chemistry. Part 65. A concise synthesis of benzo- and pyrido-annulated *N*-heterocycles via intramolecular Friedel–Crafts reactions

Hassan A. K. Abd El-Aal\* and Ali A. Khalaf

*Chemistry Department, Faculty of Science, Assiut University, Assiut, 71516, Egypt*

*E-mails: [hassankotb33@yahoo.com](mailto:hassankotb33@yahoo.com); [hassankotb@aun.edu.eg](mailto:hassankotb@aun.edu.eg)*

#### Table of Contents

<sup>1</sup> H NMR and <sup>13</sup> C NMR Spectra copies of compounds <b>3a-e</b> .....	S2
<sup>1</sup> H NMR and <sup>13</sup> C NMR Spectra copies of compounds <b>4a-e</b> .....	S7
<sup>1</sup> H NMR and <sup>13</sup> C NMR Spectra copies of compounds <b>5a-e</b> .....	S12
IR Spectra copies of compounds <b>5a-e</b> .....	S17
Mass Spectra copies of compounds <b>3a-e</b> ; <b>4a-e</b> and <b>5a-e</b> .....	S19











































