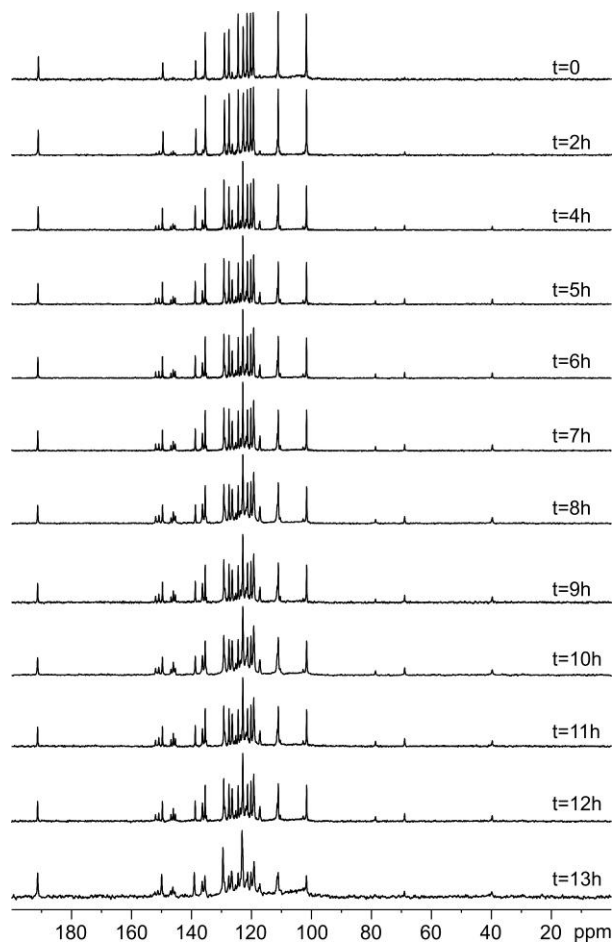


Supporting Information

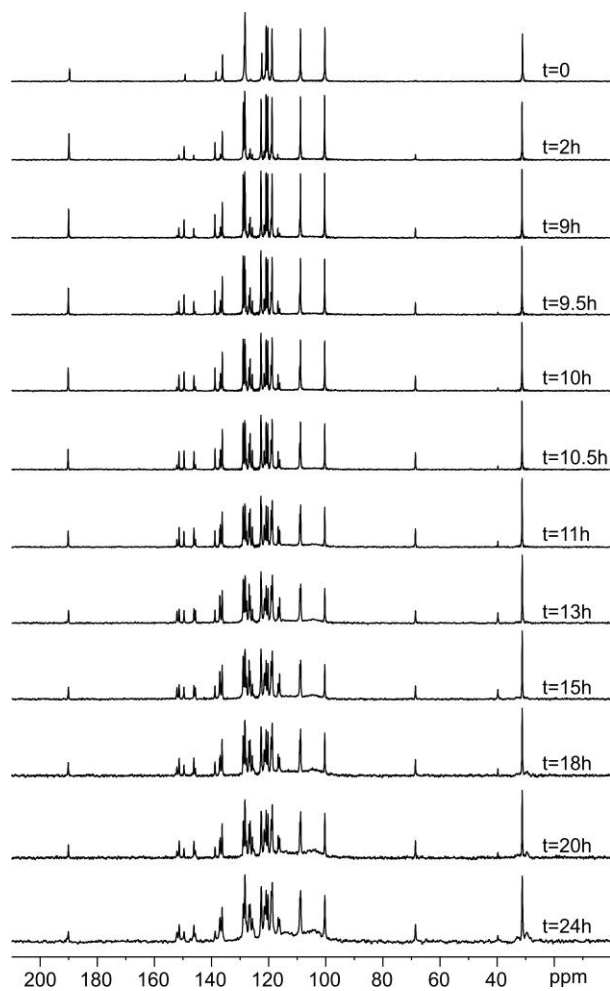
**Mechanism of the solvent-free reactions between indole derivatives and 4-nitrobenzaldehyde studied by solid-state NMR and DFT calculation**

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**Figure S1:** <sup>13</sup>C (100.64 MHz) DE spectra of the reaction between indole (**1<sup>A</sup>**) and 4-nitrobenzaldehyde (**2**) recorded with a spinning speed of 12 kHz at RT.



**Figure S2:** <sup>13</sup>C (100.64 MHz) DE spectra of the reaction between N-methylindole (**1<sup>B</sup>**) and 4-nitrobenzaldehyde (**2**) recorded with a spinning speed of 12 kHz and at RT.