

**Transimination reactions in [b-3C-im][NTf<sub>2</sub>] ionic liquid†**

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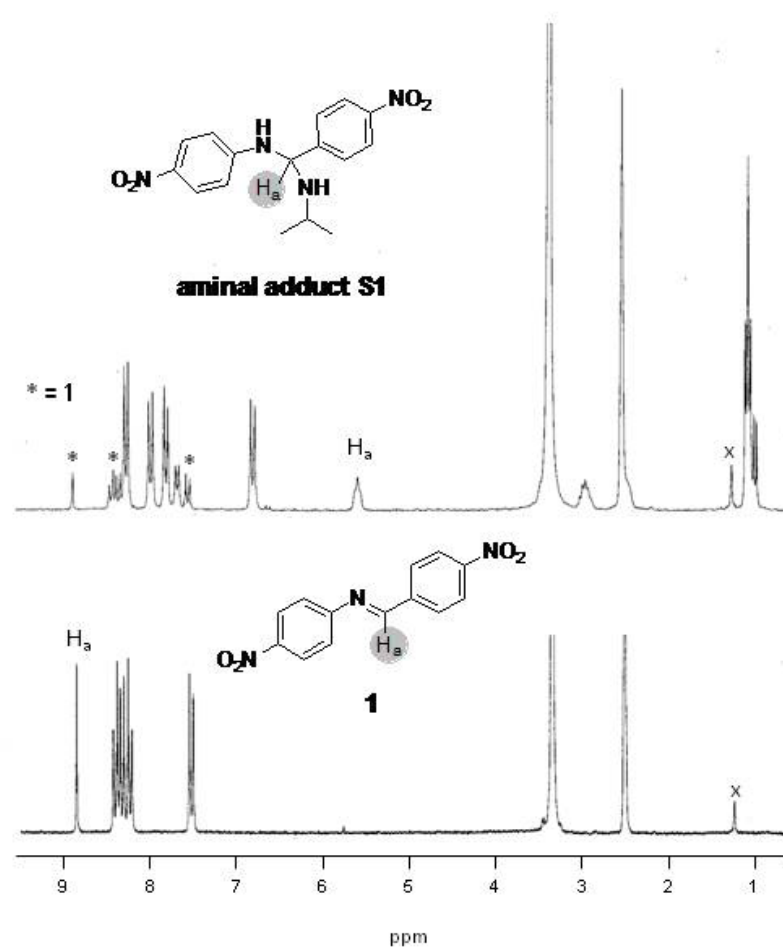
Department of Chemistry and Biochemistry

National Chung Cheng University

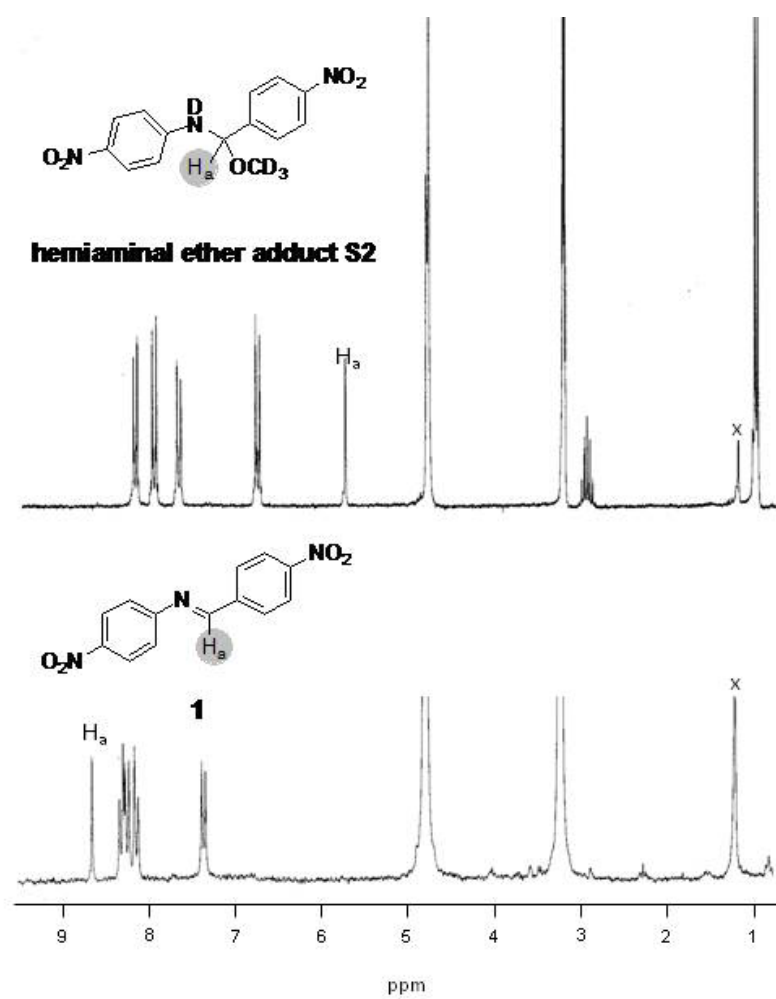
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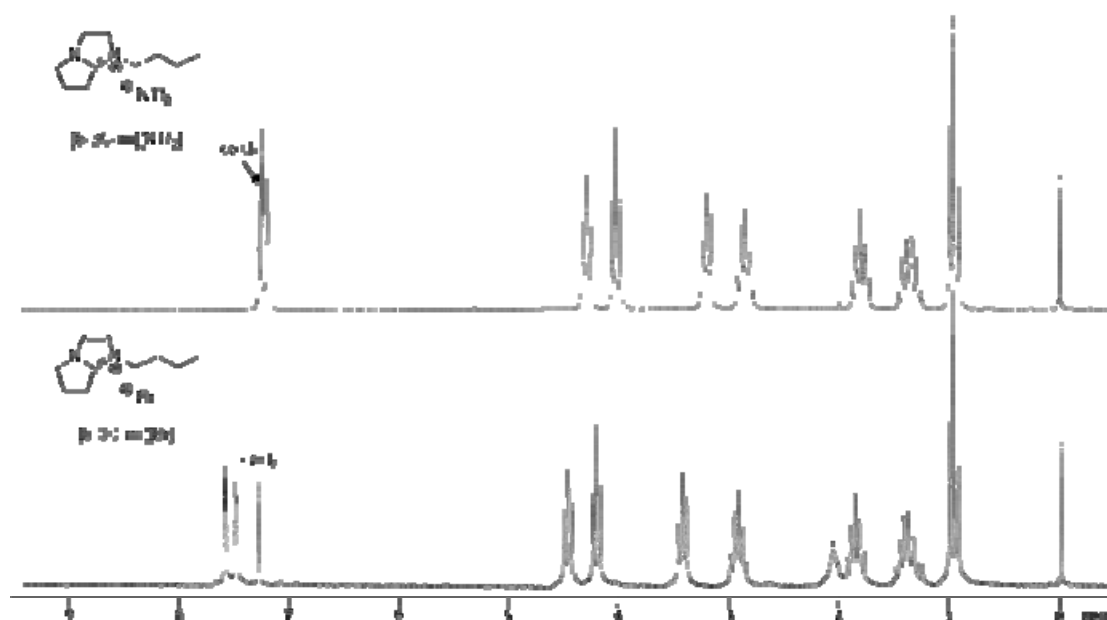
**Fig. S1** Transimination reaction of imines **1** (15 mM) with isopropylamine (15 mM) in DMSO-*d*<sub>6</sub> at ambient temperature.

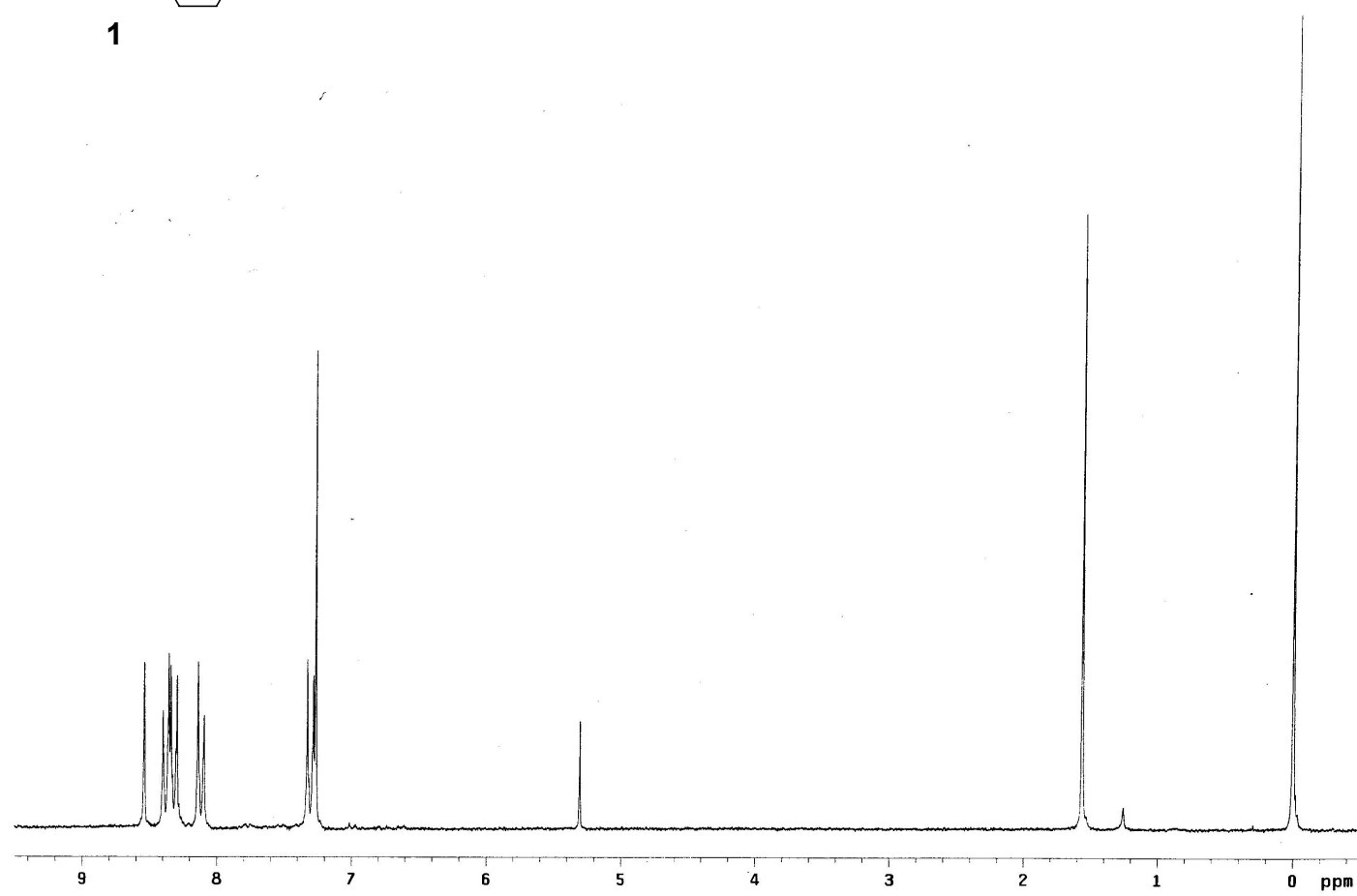
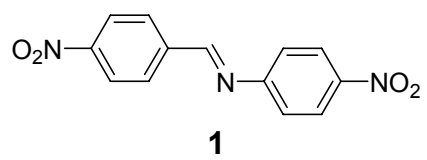


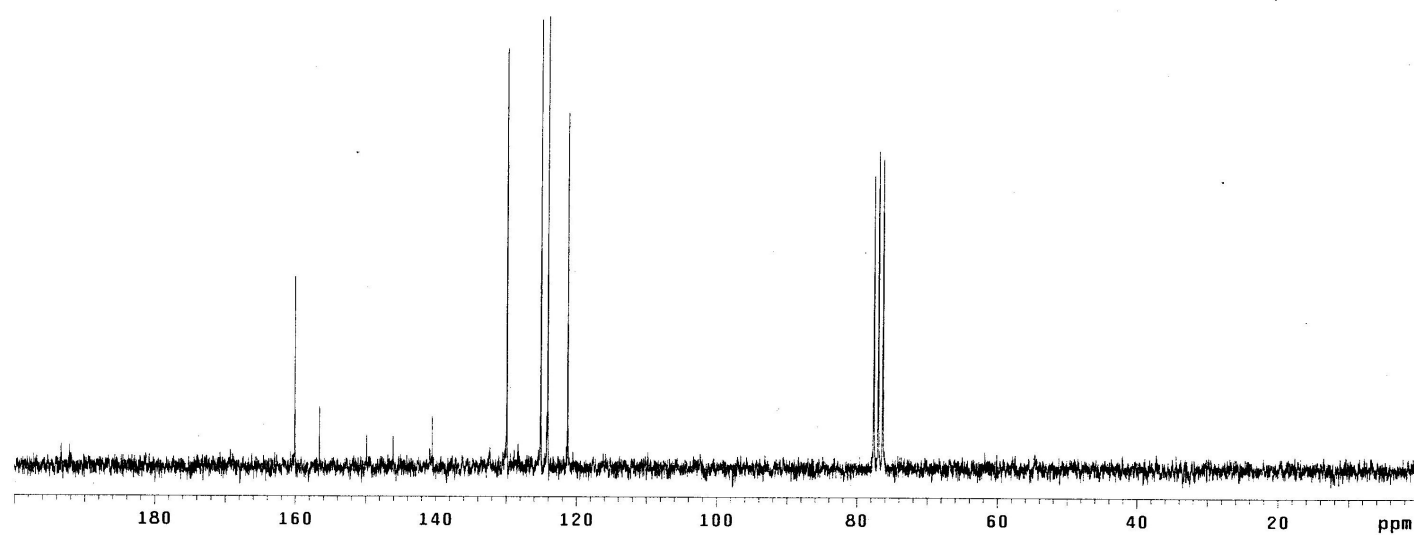
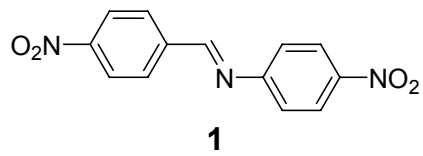
**Fig. S2** Transimination reaction of imines **1** (15 mM) with isopropylamine (15 mM) in methanol-*d*<sub>4</sub> at ambient temperature.

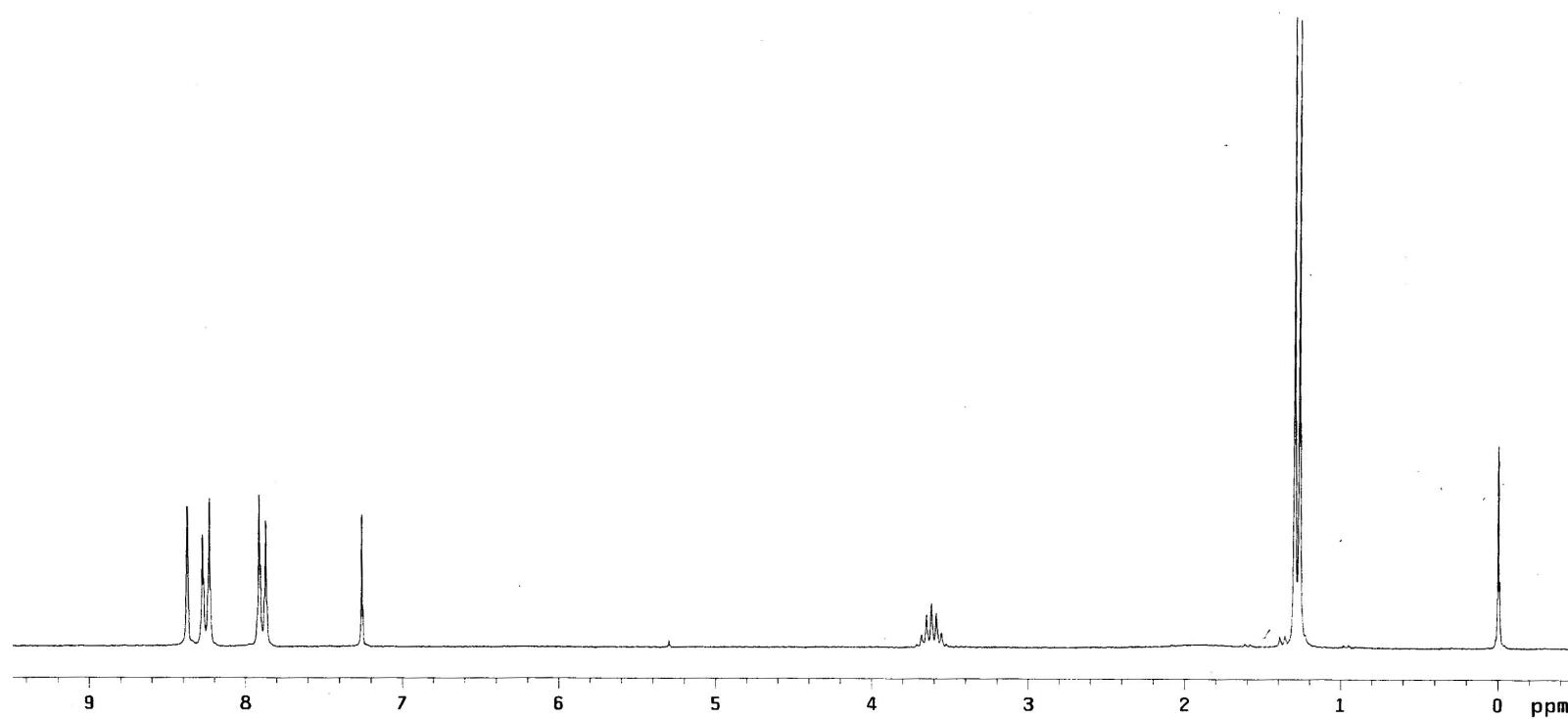
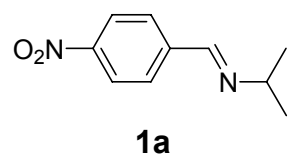


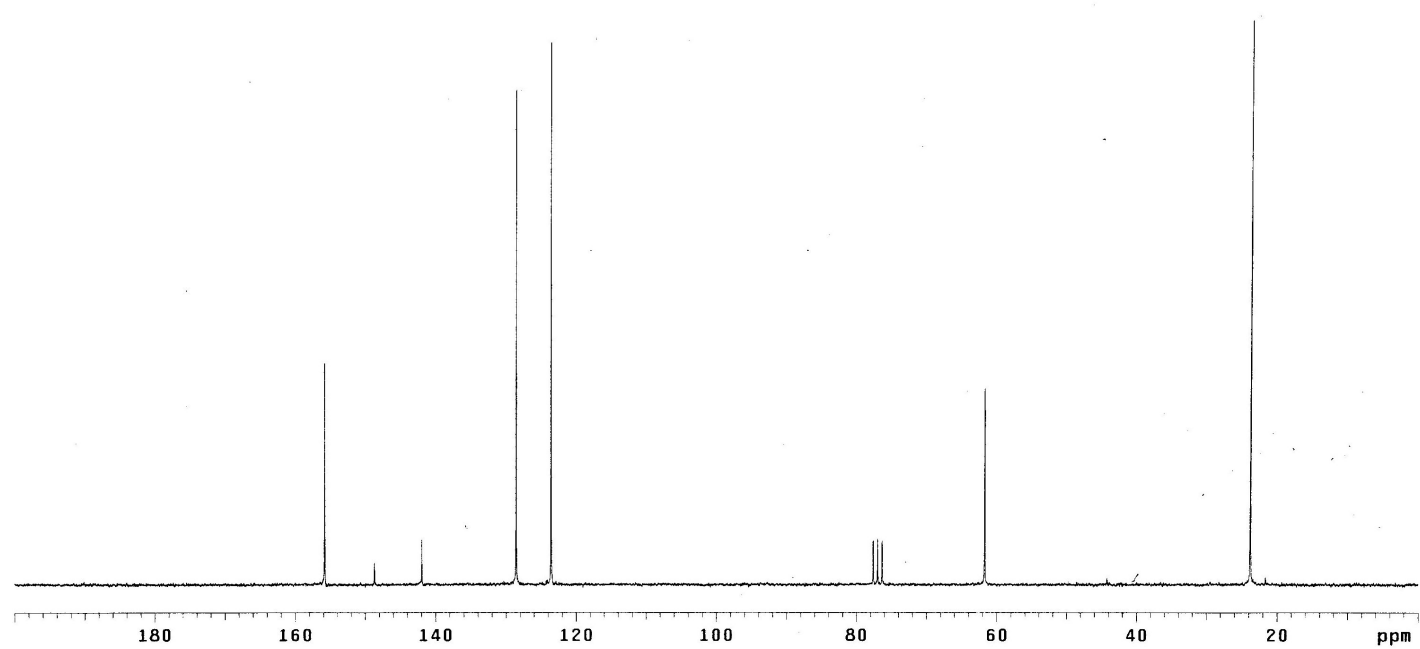
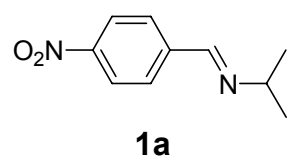
**Fig. S3**  $^1\text{H}$  NMR spectra of [b-3C-im][NTf<sub>2</sub>] and [b-3C-im][Br] ionic liquids in CDCl<sub>3</sub> at ambient temperature.



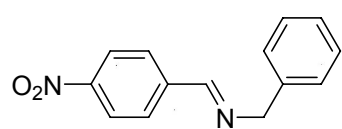




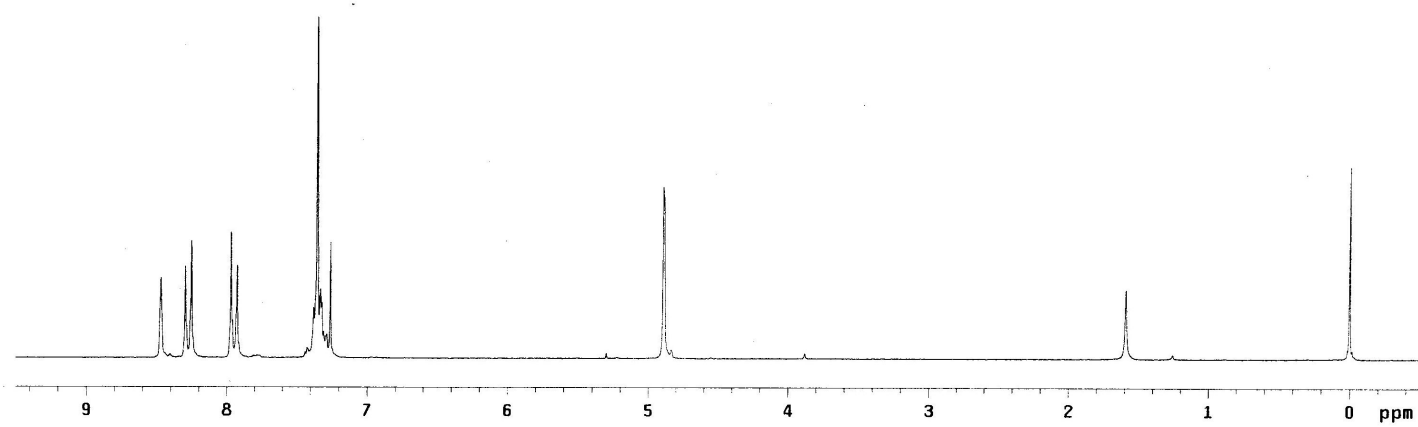


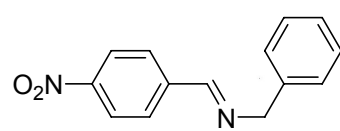




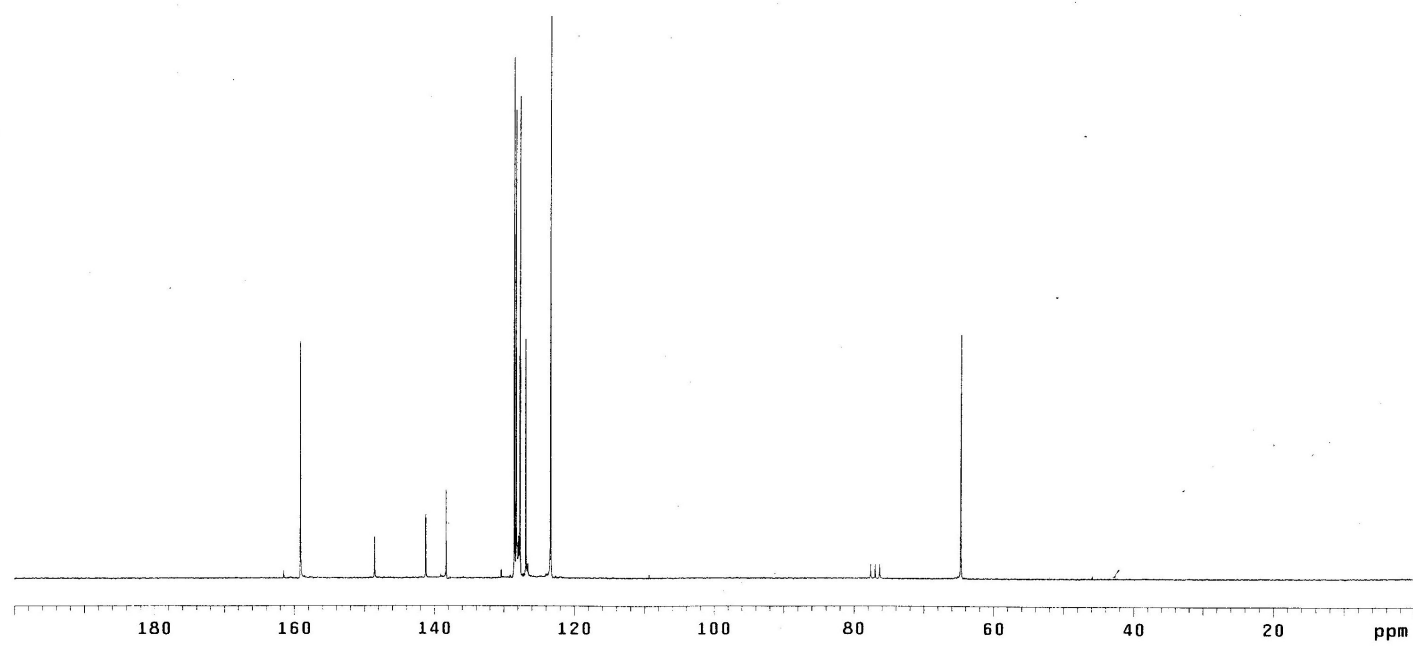


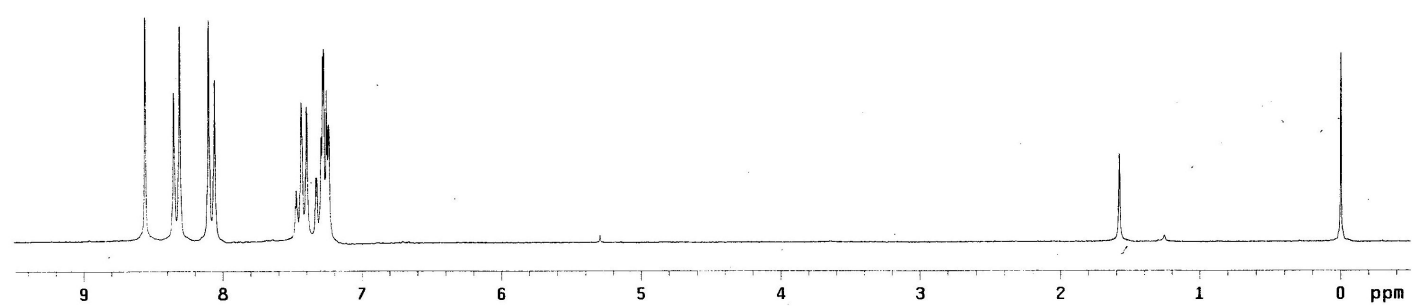
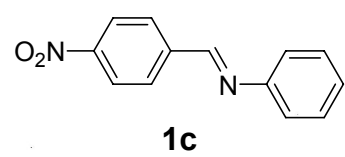
**1b**

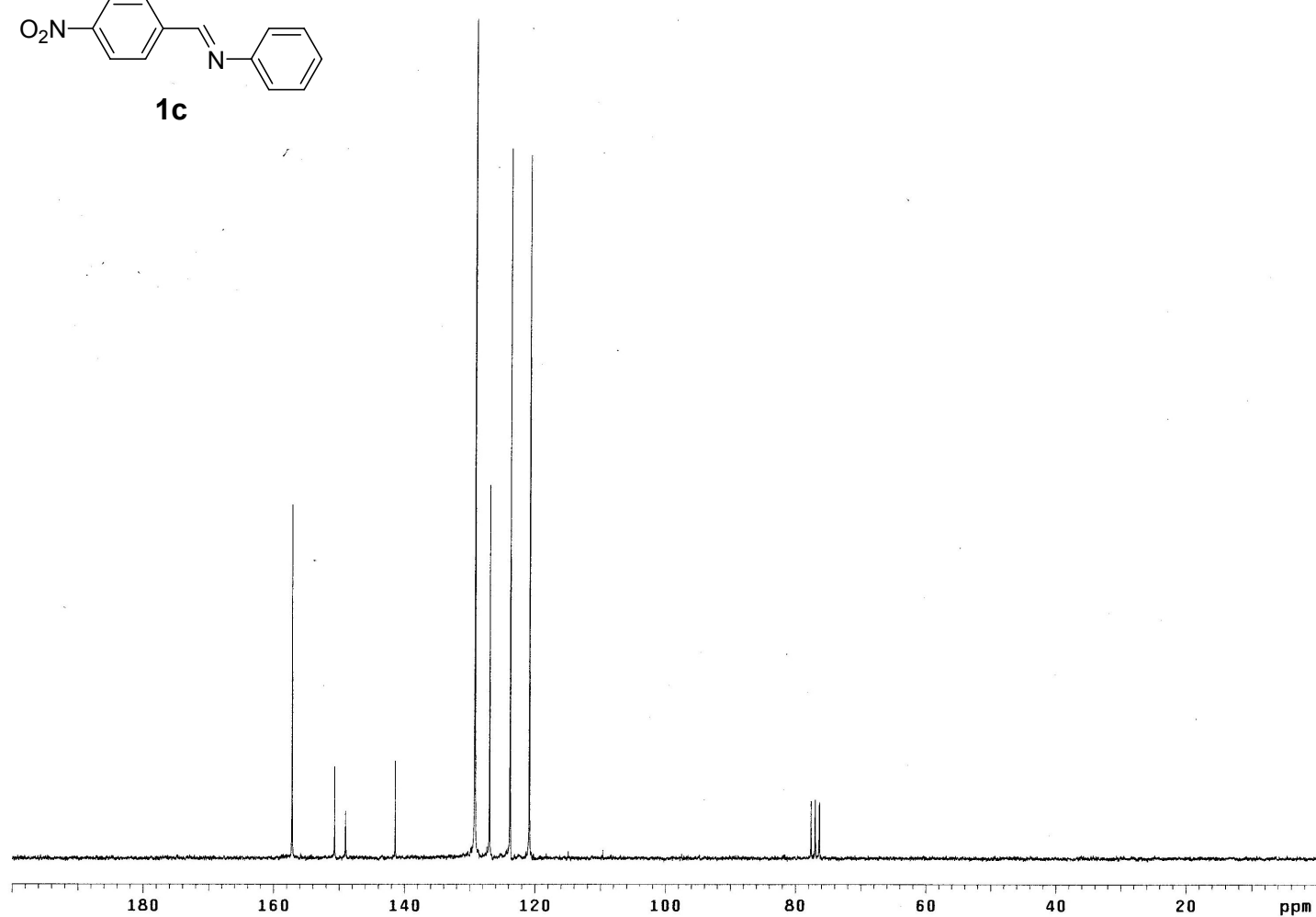
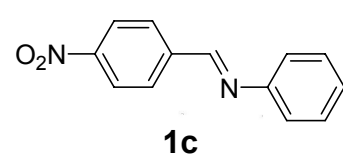


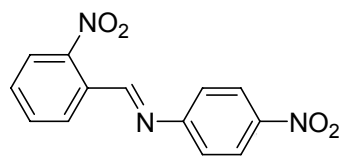


**1b**

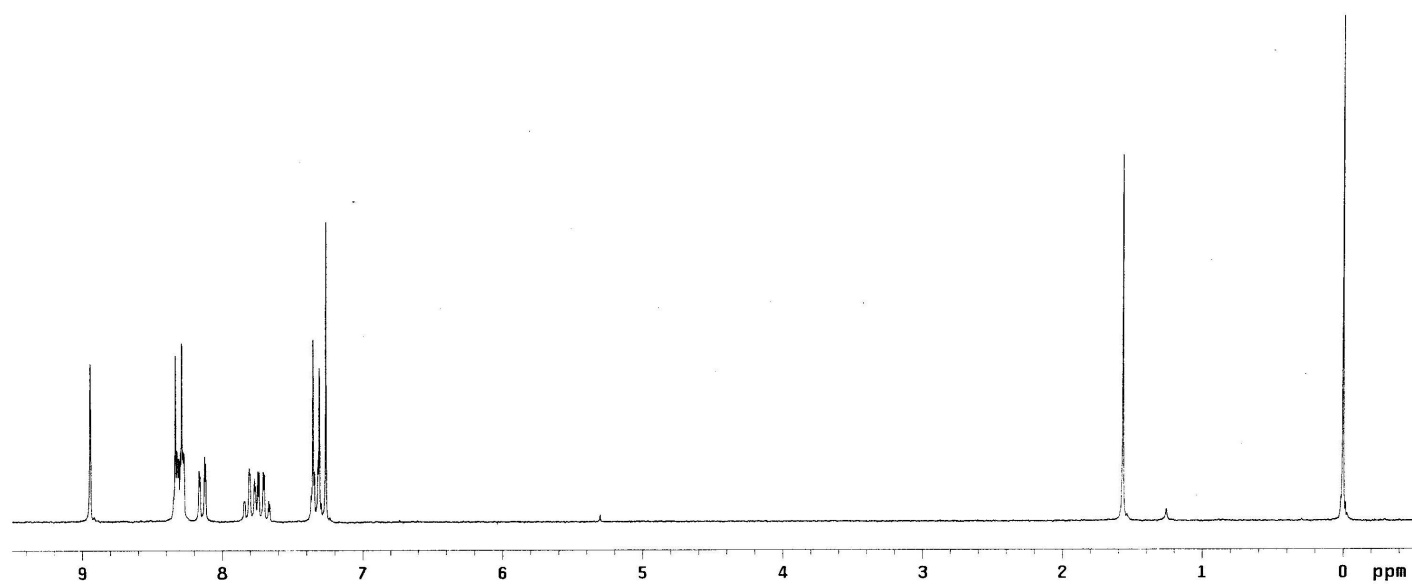


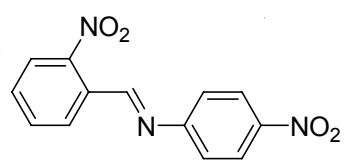




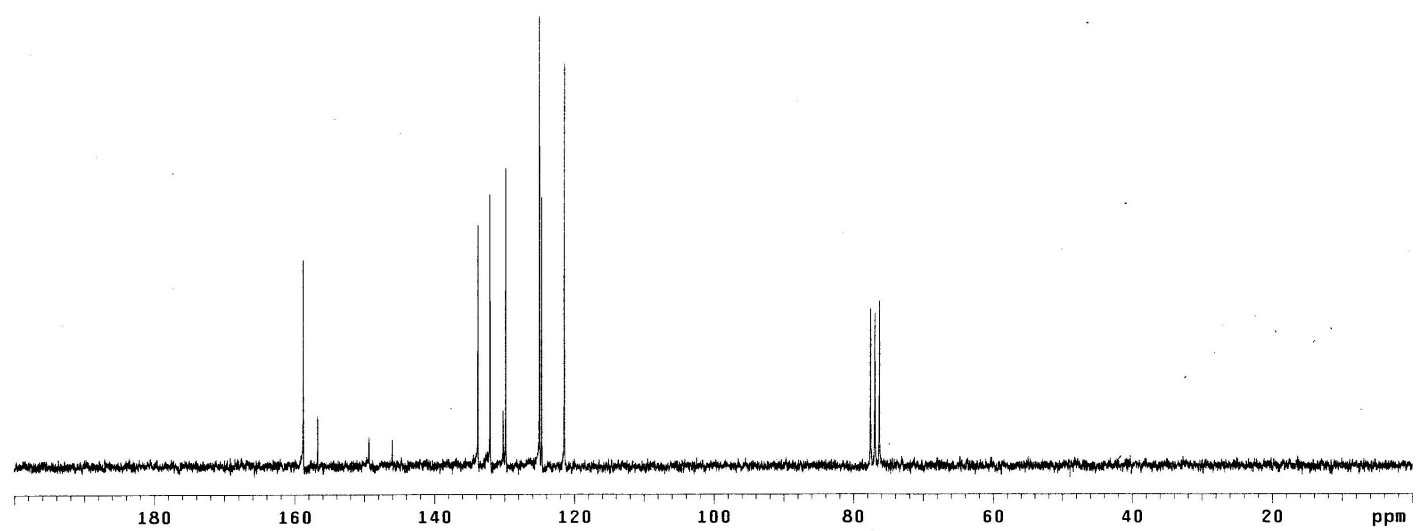


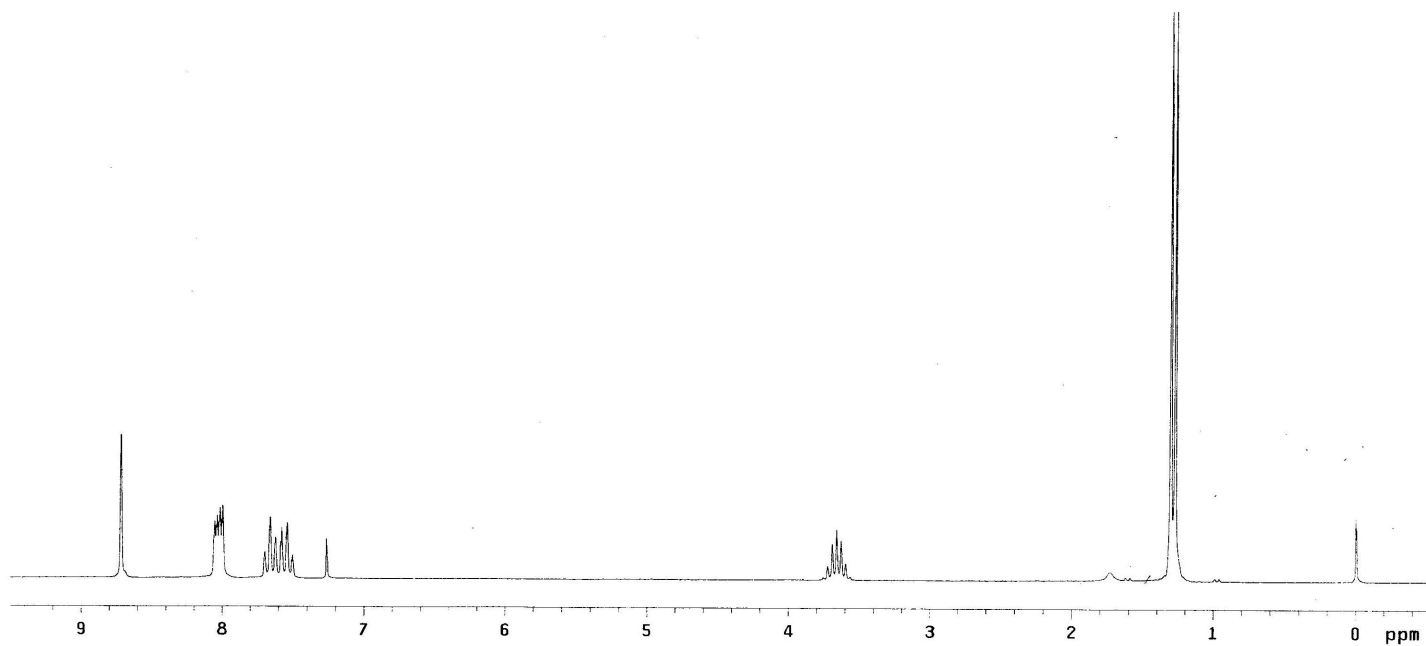
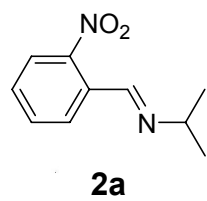
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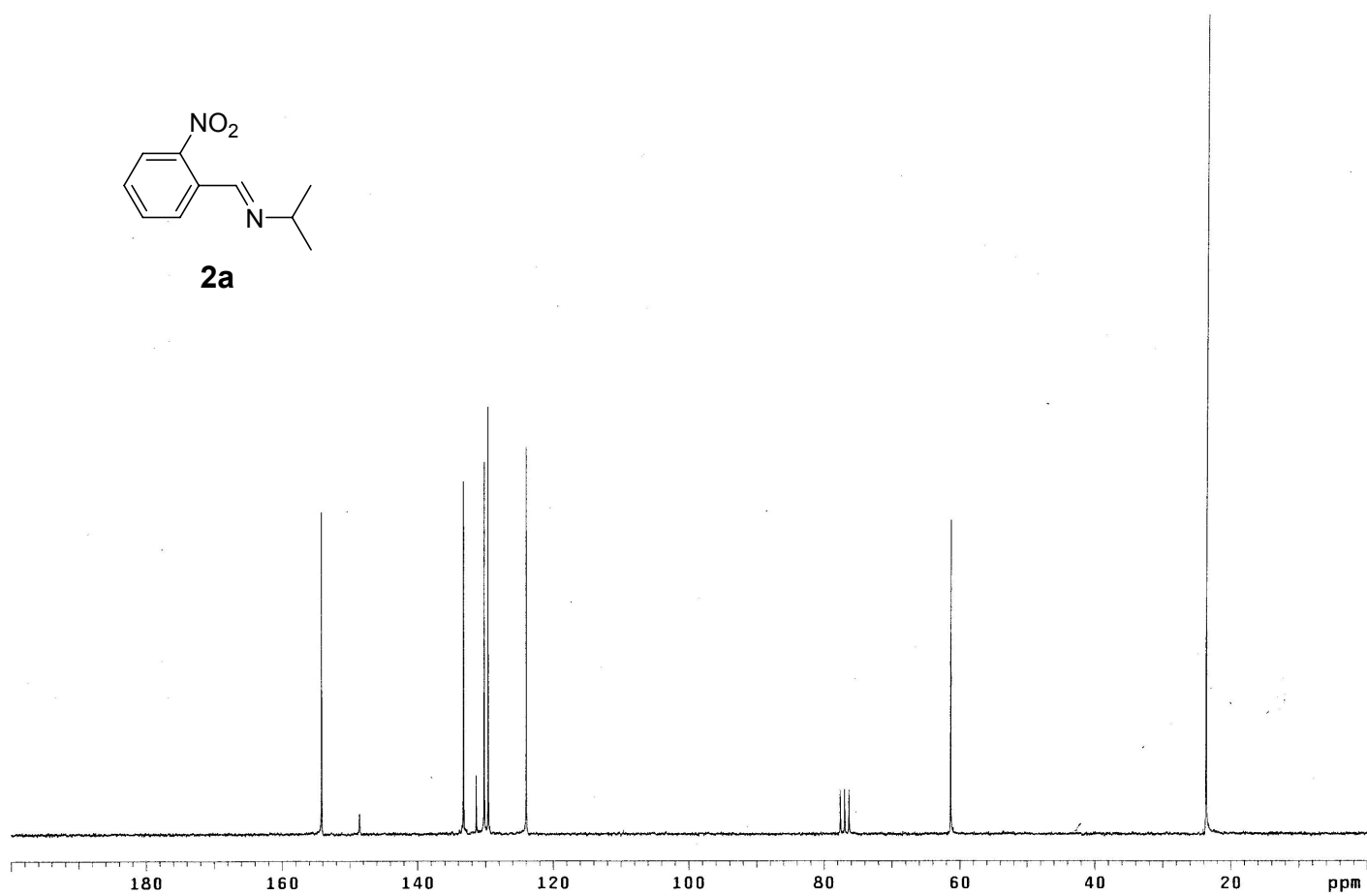
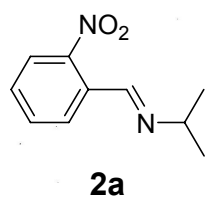




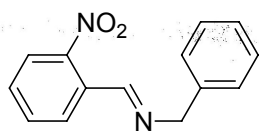
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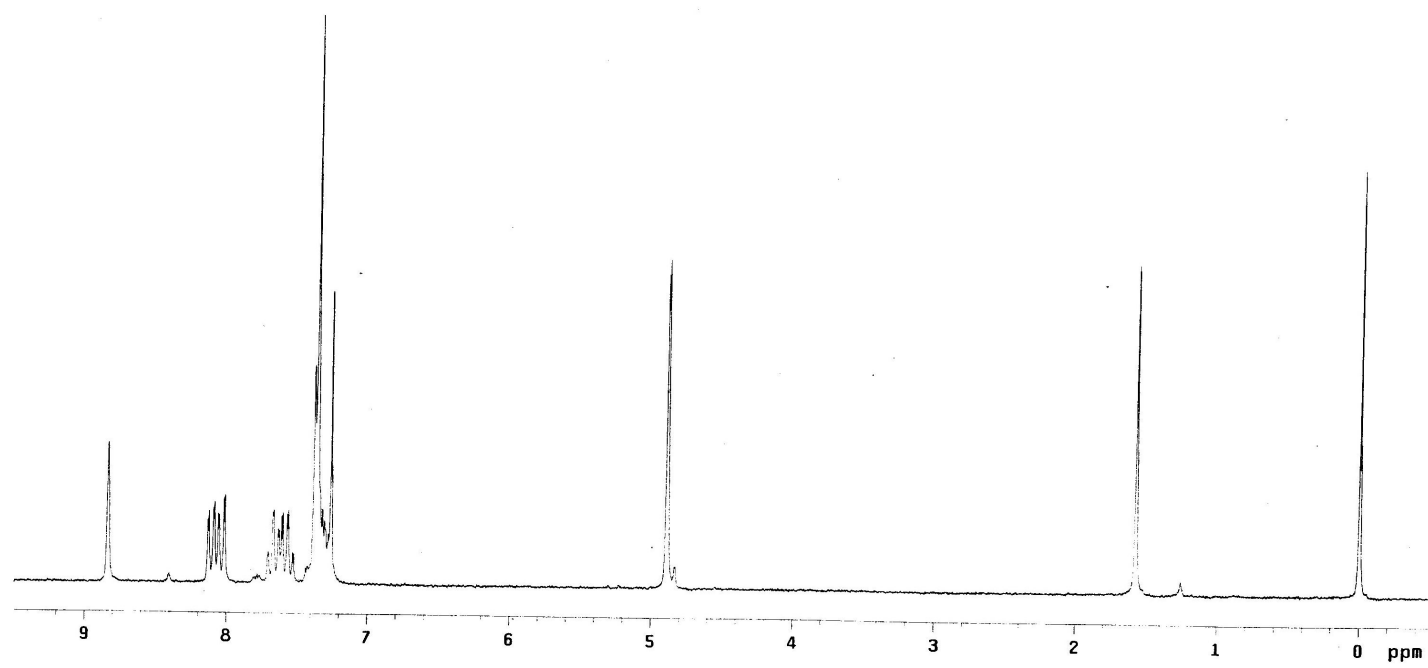


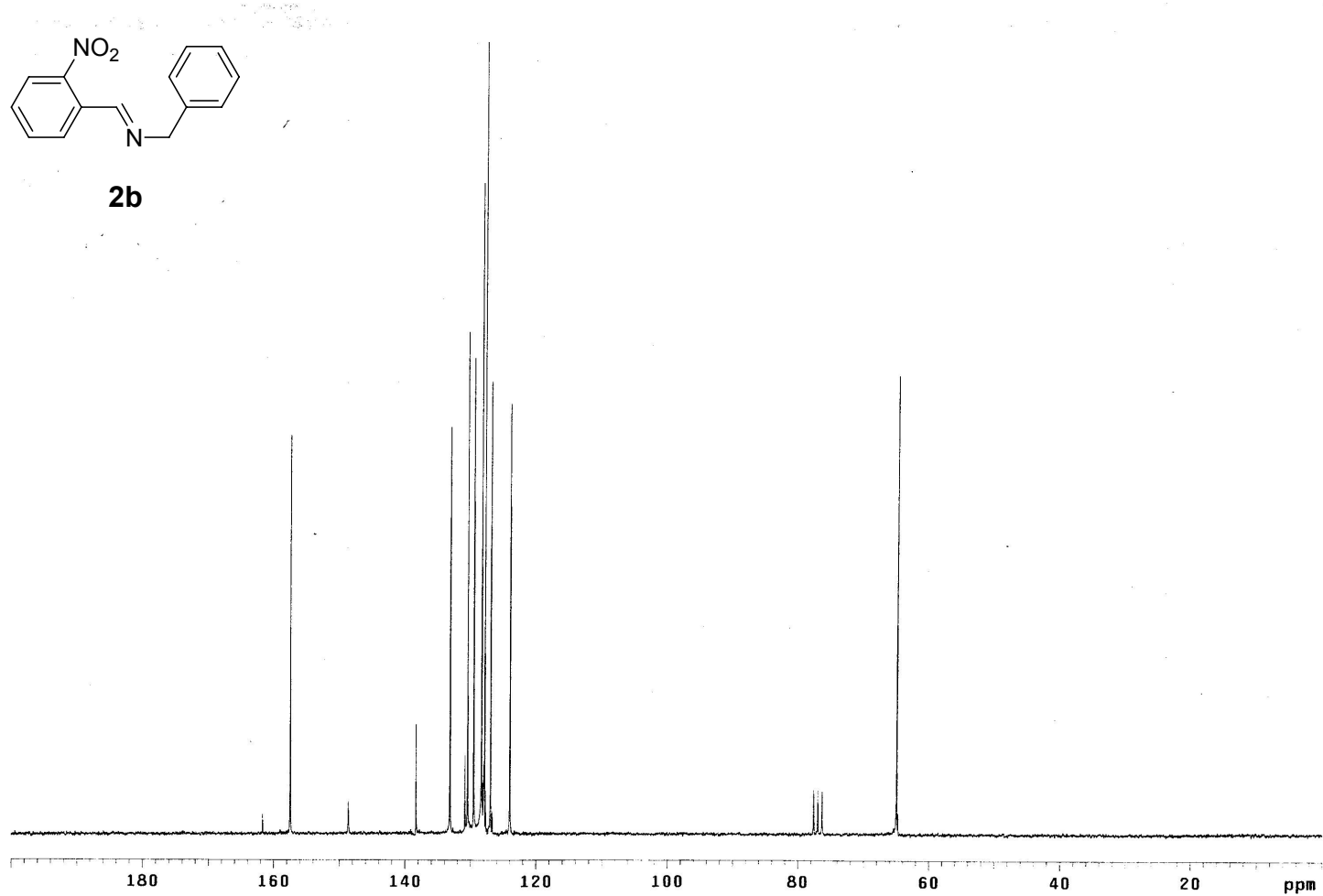


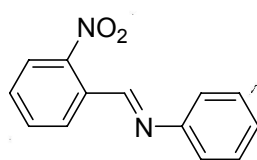




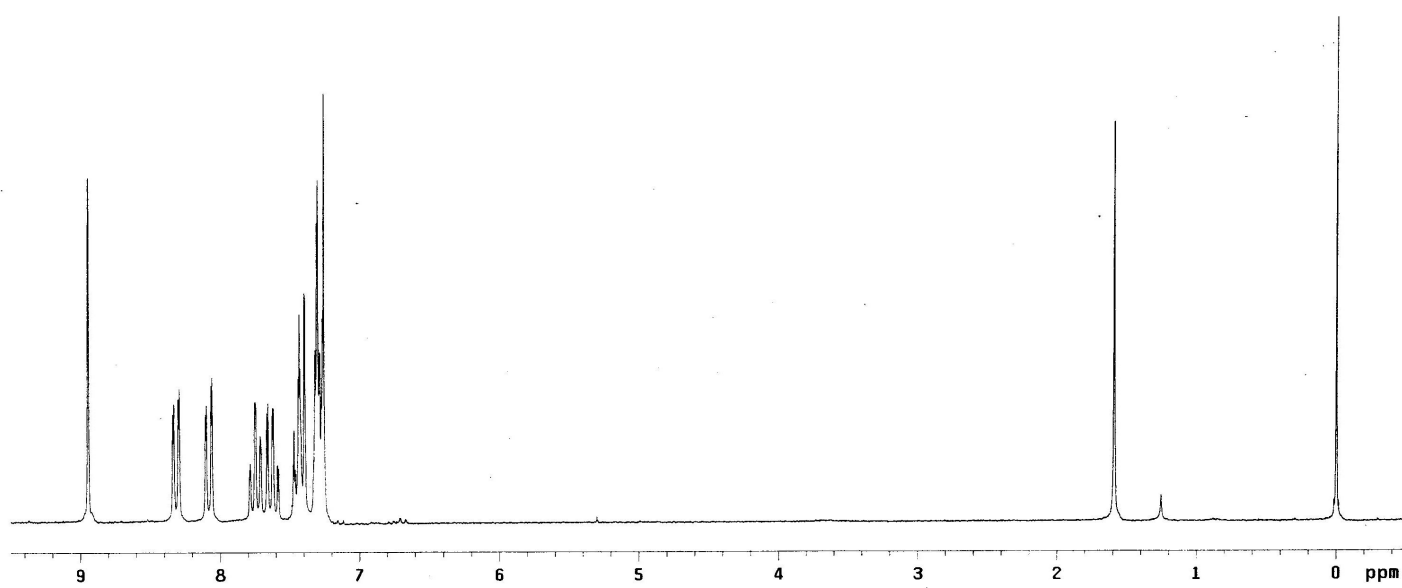
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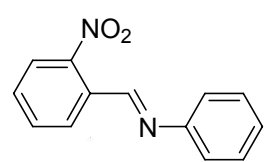






**2c**





**2c**

