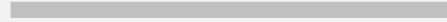




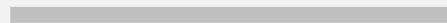
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# CHAPTER 9

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## Appendices



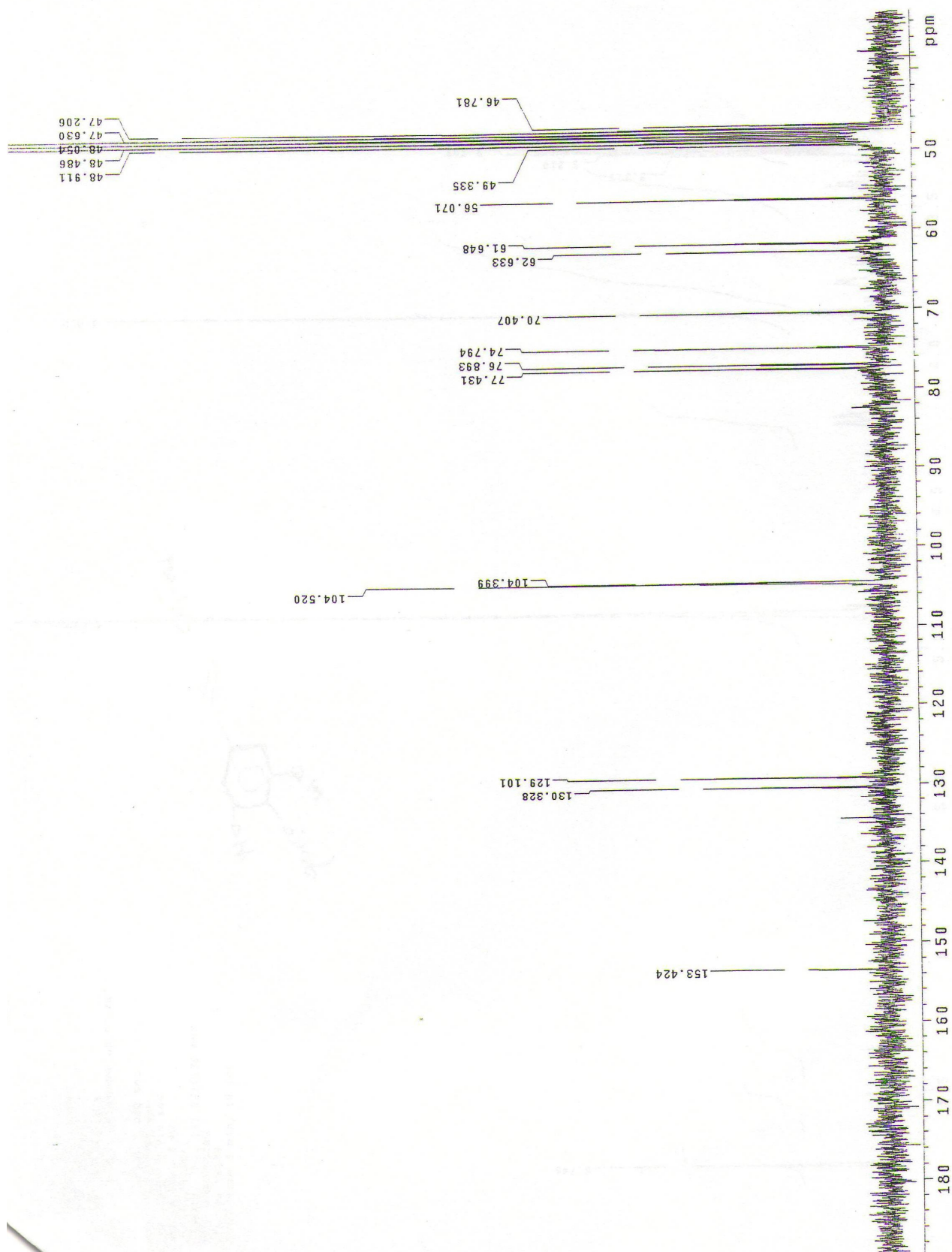
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# Chapter 9

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## Appendix A

### 9.1 $^1\text{H-NMR}$ and $^{13}\text{C-NMR}$ of isolated compounds from *Foeniculum vulgare*



**Figure 9.1**  $^{13}\text{C}$ -NMR spectrum of syringin isolated from *Foeniculum vulgare*.

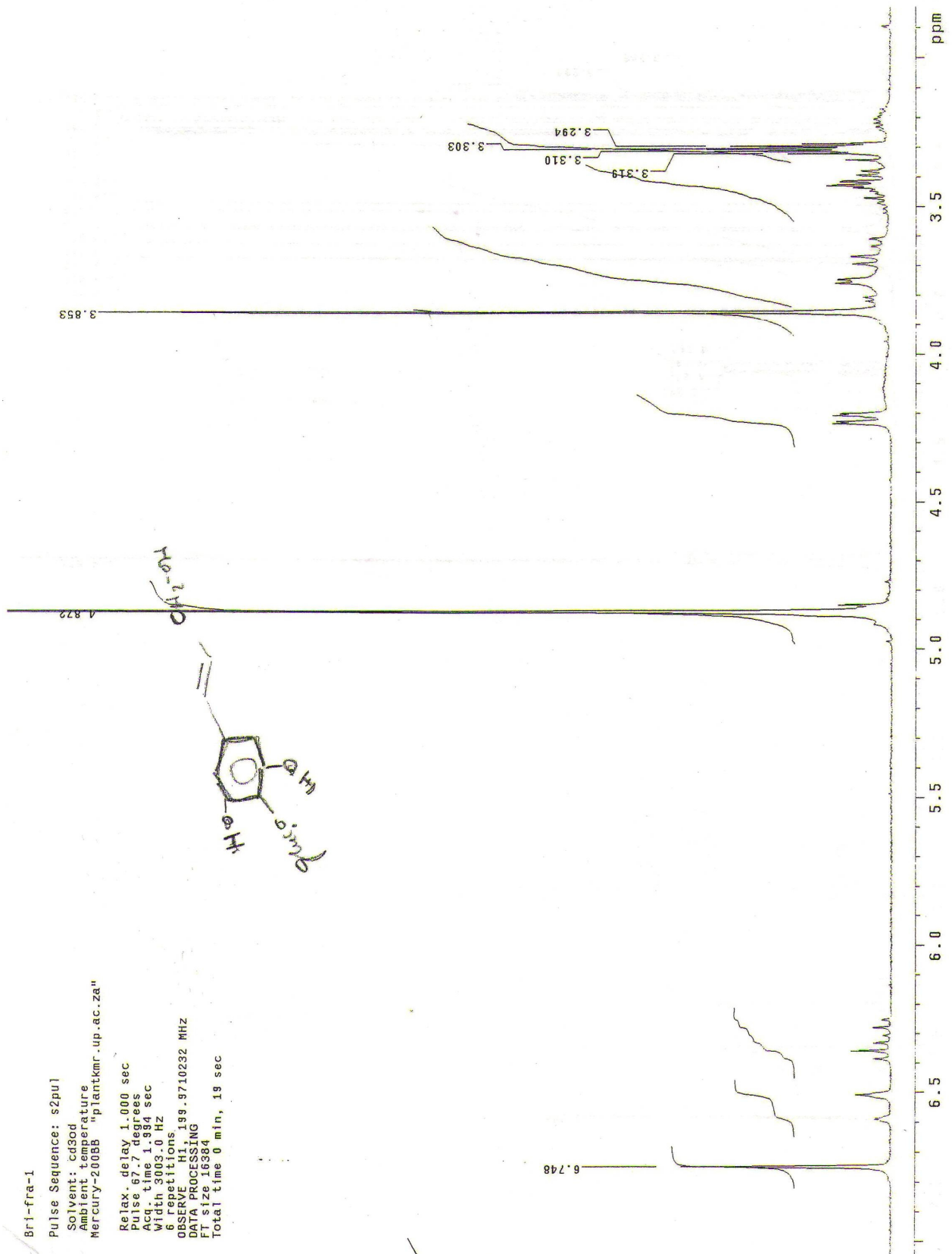


Figure 9.2 <sup>1</sup>H-NMR spectrum of syringin isolated from *Foeniculum vulgare*.

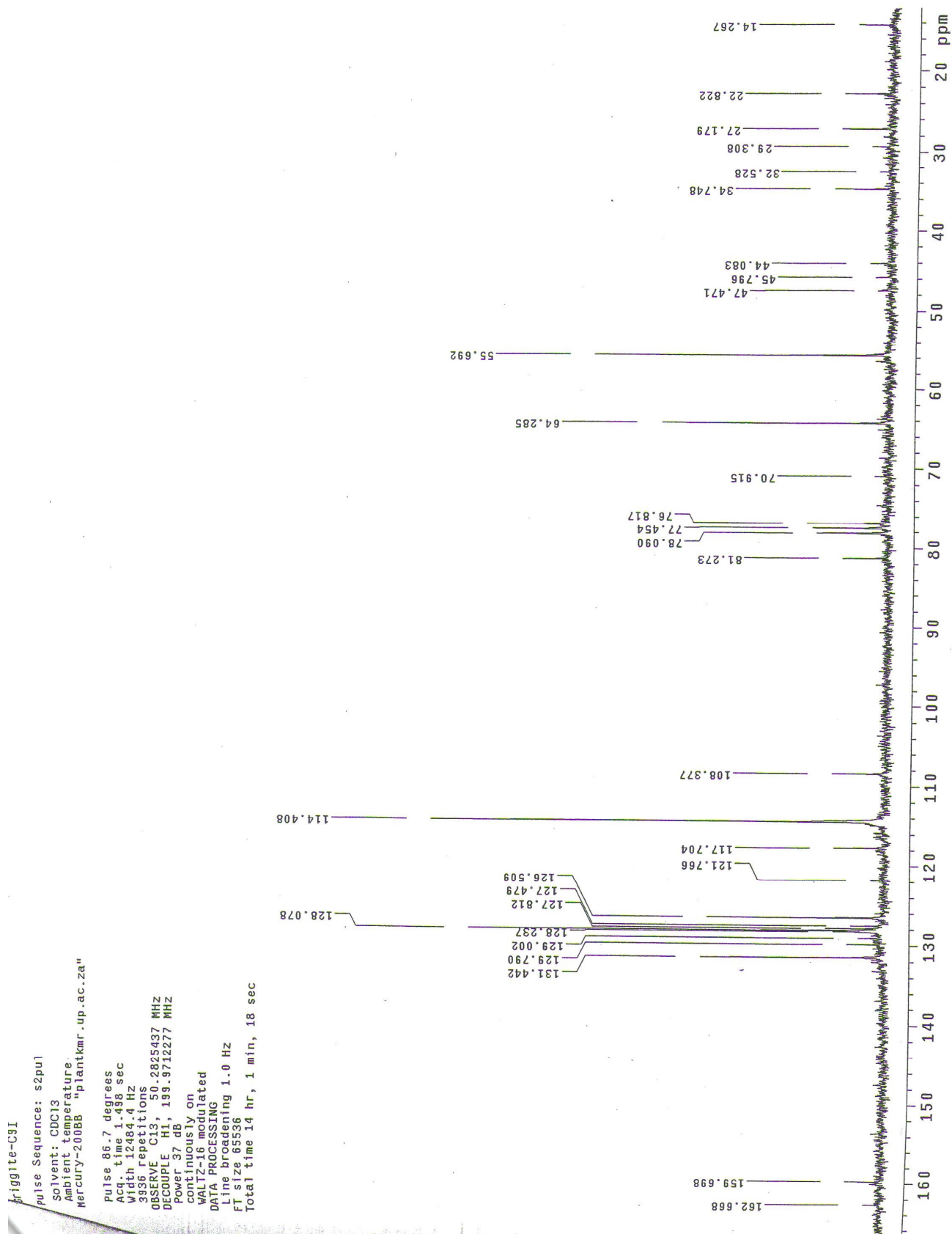
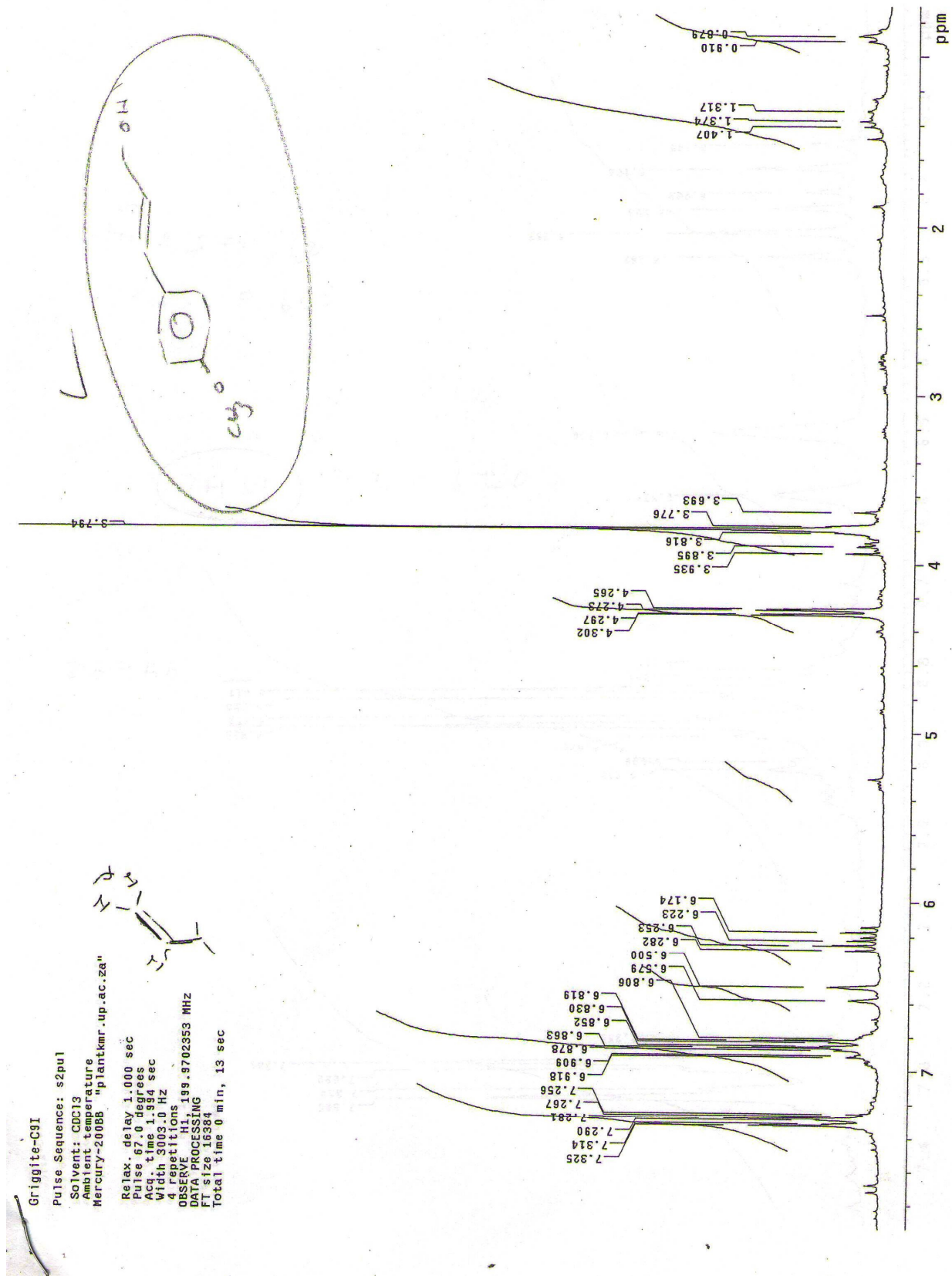


Figure 9.3  $^{13}\text{C}$ -NMR spectrum of 4-methoxycinnamyl alcohol isolated from *Foeniculum vulgare*.



**Figure 9.3**  $^1\text{H-NMR}$  spectrum of 4-methoxycinnamyl alcohol isolated from *Foeniculum vulgare*.

## Appendix B

### 9.2 Publications and conference presentations resulting from this thesis

#### 9.2.1 Publications

Manuscripts:

Binneman, B., Lall, N., Mahapatra, A., van de Venter, M., du Plessis-Stoman, D., Boukes, G, Houghton, P., Meyer, J.J.M. (2008) Selective induction of apoptosis by 7-methyljuglone and its synthetic naphthoquinone derivatives on human cancer cell lines. *Cancer Letters*. Submitted

Binneman, B., Lall, N., Mahapatra, A., van de Venter, M., du Plessis-Stoman, D., Boukes, G (2008) Cytotoxic active compounds from *Foeniculum vulgare*. In preparation.

Books:

Chapter 1 and 2 are being prepared for a chapter in a book.

#### 9.2.2 Conference presentations

##### National

SAAB conference (2007) (poster presentation), Binneman, B, Mahapatra, A, Meyer, J.J.M., Lall, N. Evaluation of medicinal plants and synthesized naphthoquinones on cancer cells.

SAAB conference (2008) (oral presentation), Binneman, B, Lall, N., Mahapatra, A., Newman, S.P., Jones, L., Van De Venter, M., Houghton, P., Meyer, J.J.M. Selective induction of apoptosis in U937 cells by 8-fluoro-5-hydroxy- AND 2,5-dihydroxy-7-methyljuglone.

CANSA Cancer Research in Action (2008) (poster presentation), Binneman, B., Lall, N., Mahapatra, A., van de Venter, M., du Plessis-Stoman, D., Boukes, G, Houghton, P., Meyer, J.J.M. Selective induction of apoptosis by potent anticancer plants extracts and /or compounds.

### **International**

World Congress on Medicinal and Aromatic Plants (WOMAP) (2008) (oral presentation), Binneman, B., Lall, N., Mahapatra, A., van de Venter, M., du Plessis-Stoman, D., Boukes, G, Houghton, P., Meyer, J.J.M. Evaluation and mechanistic studies of selected medicinal plants and purified compounds on human cancer cell lines.