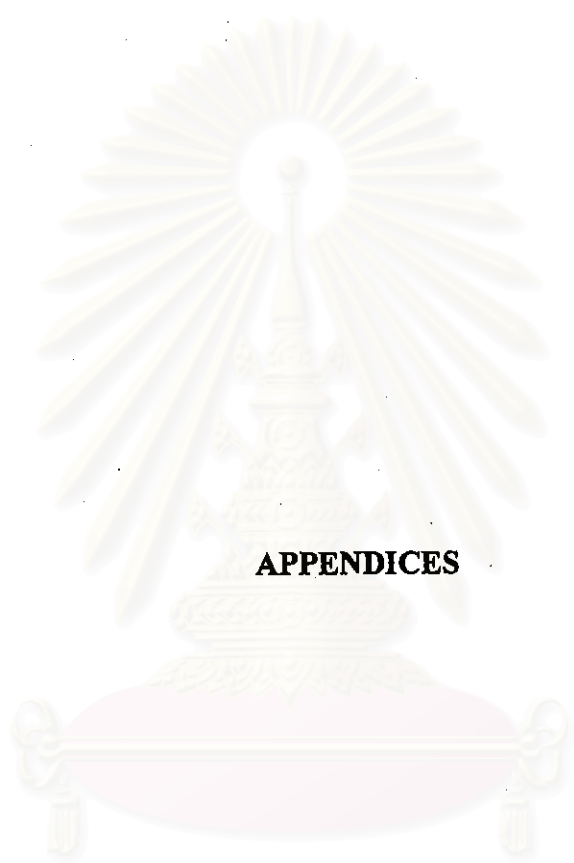


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**APPENDICES**

สถาบันวิทยบริการ  
จุฬาลงกรณ์มหาวิทยาลัย

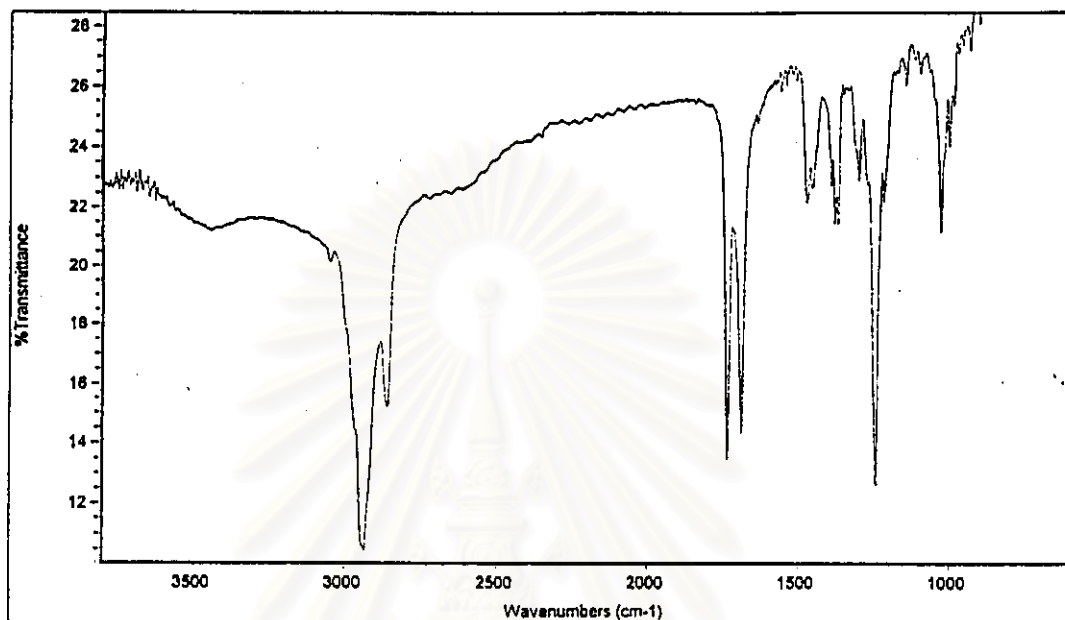


Fig. A1 The IR spectrum of Compound A

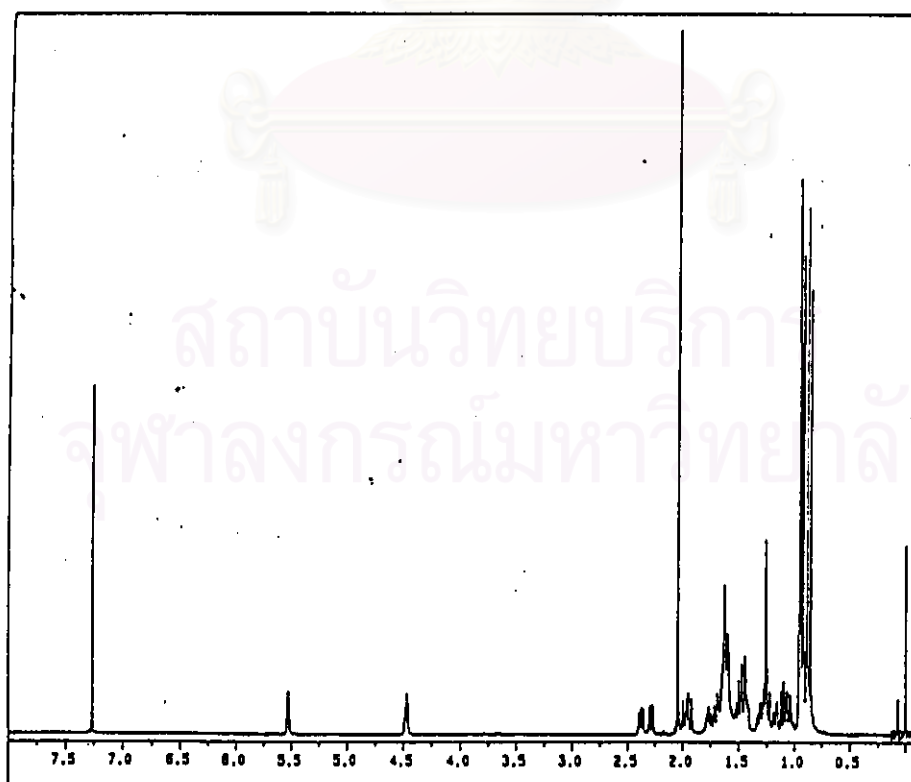


Fig. A2 The <sup>1</sup>H-NMR spectrum of Compound A

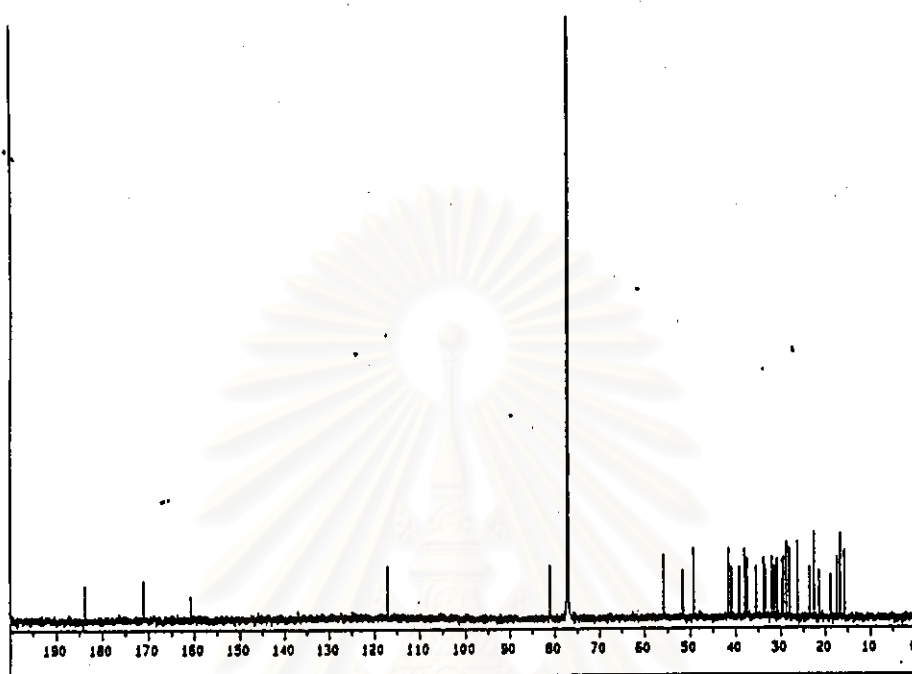
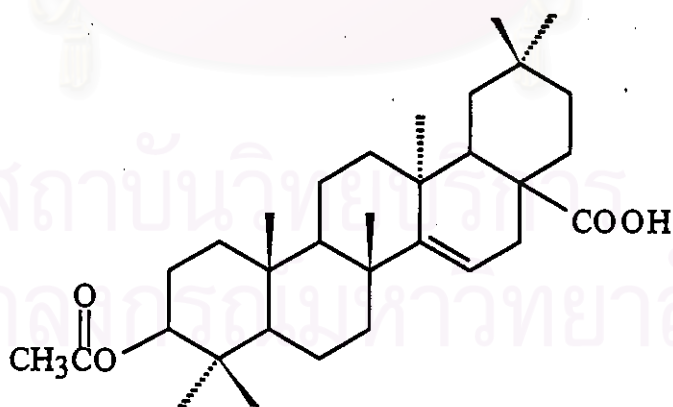


Fig. A3 The  $^{13}\text{C}$ -NMR spectrum of Compound A



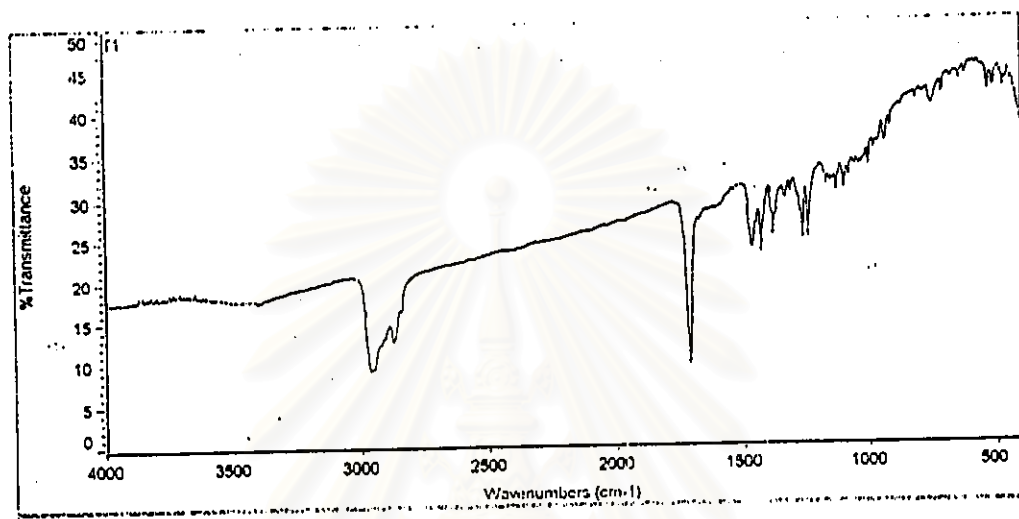


Fig. A4 The IR spectrum of Compound B

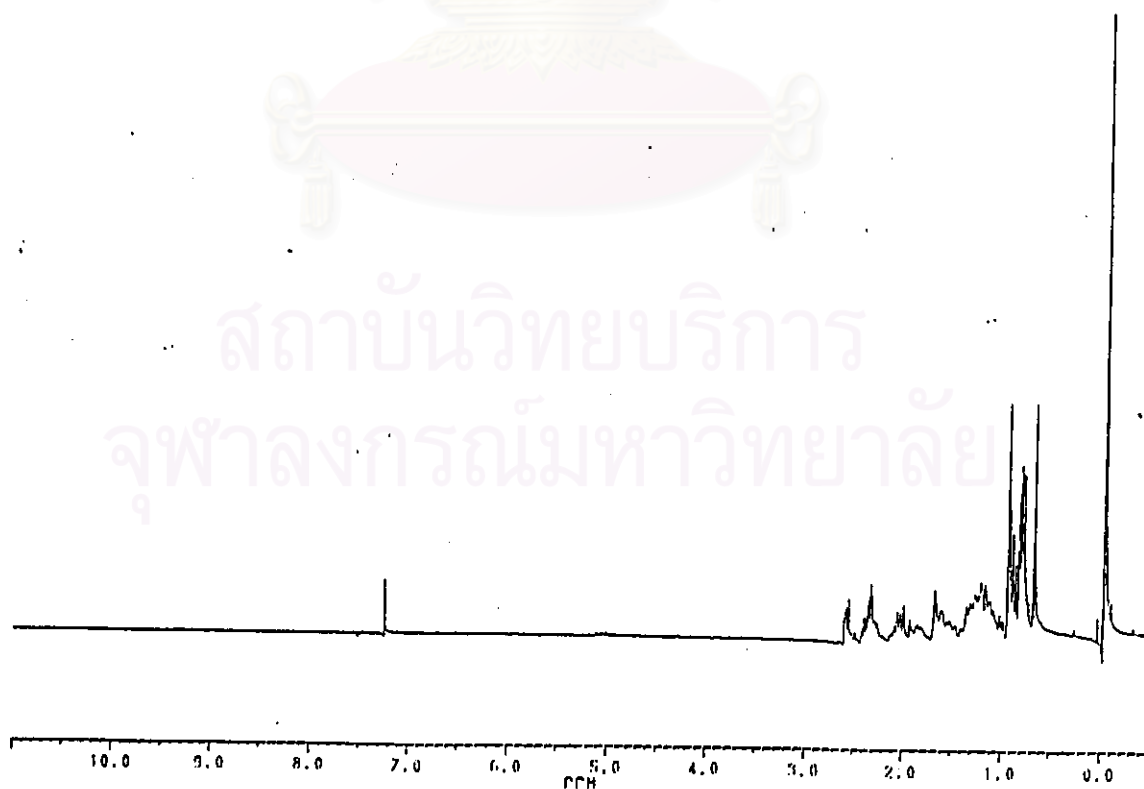


Fig. A5 The <sup>1</sup>H-NMR spectrum of Compound B

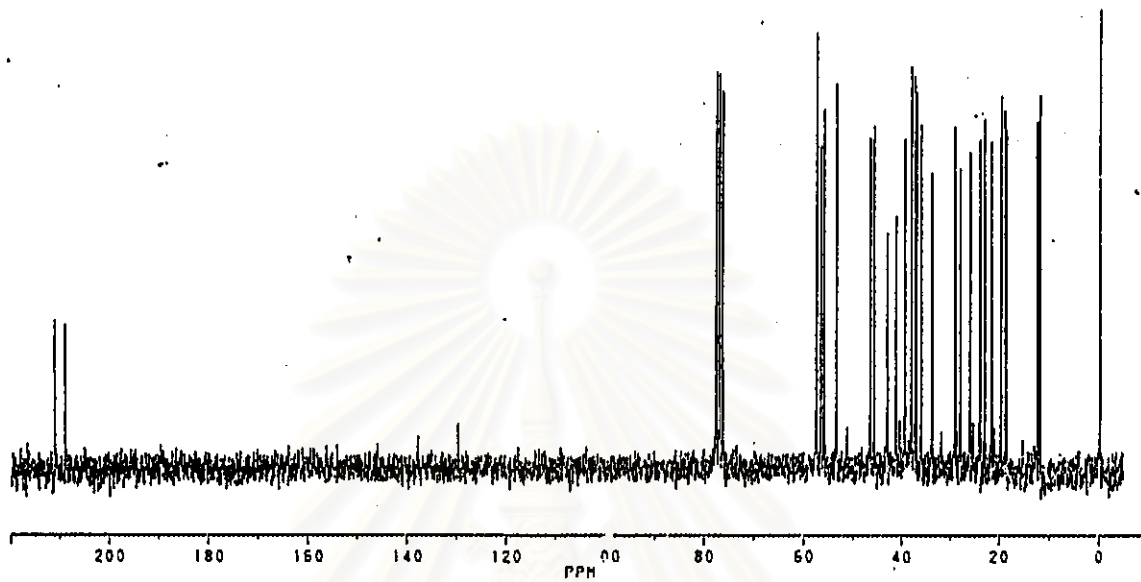
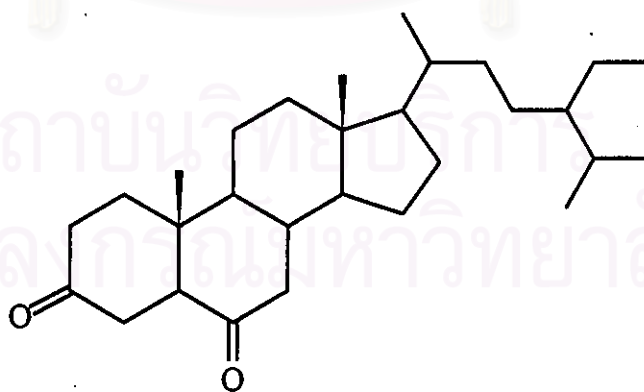


Fig. A6 The  $^{13}\text{C}$ -NMR spectrum of Compound B





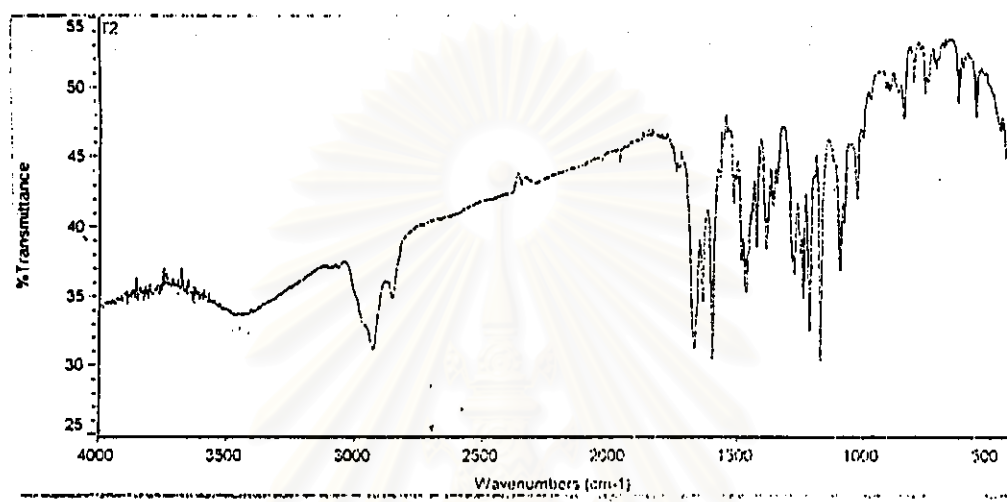


Fig. A7 The IR spectrum of Compound F

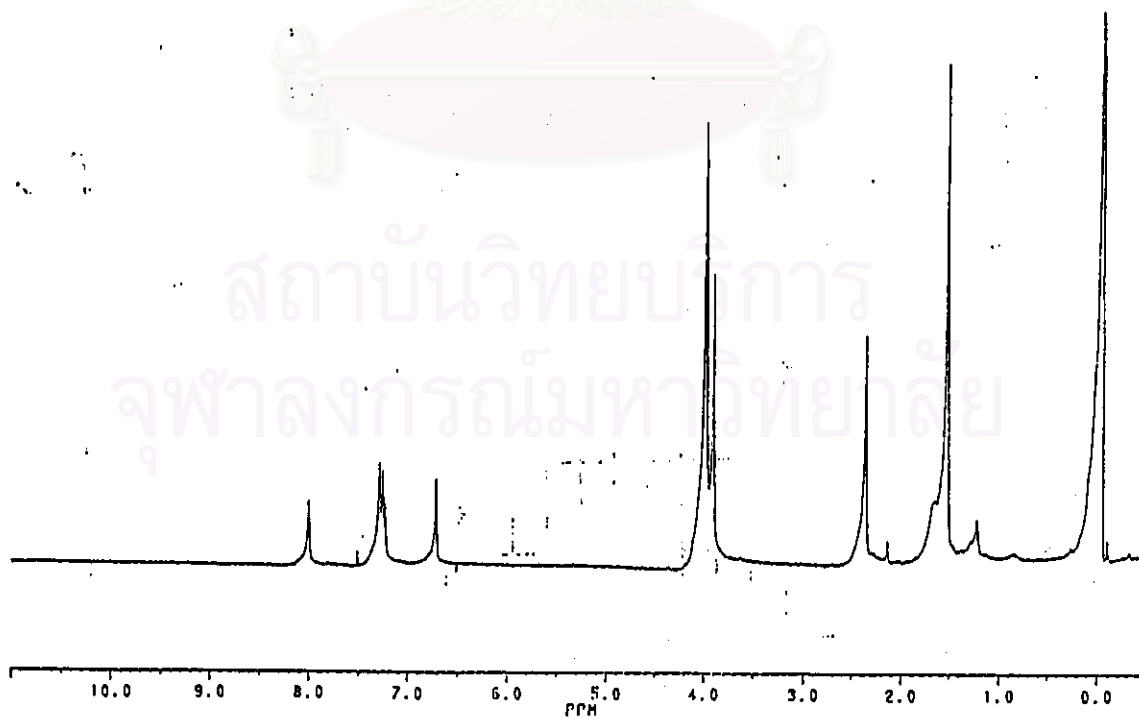


Fig. A8 The <sup>1</sup>H-NMR spectrum of Compound F

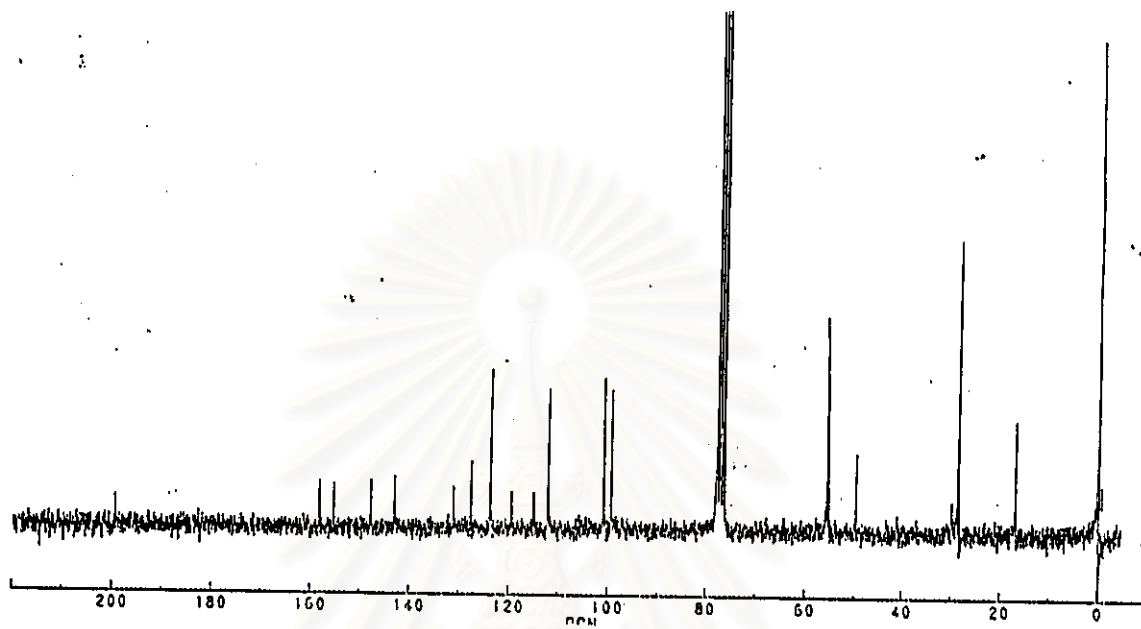
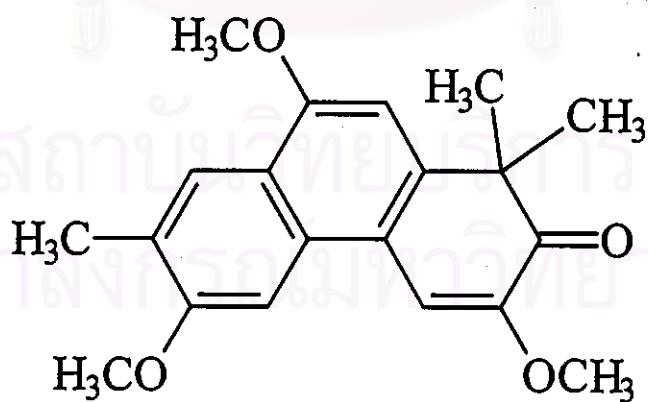


Fig. A9 The  $^{13}\text{C}$ -NMR spectrum of Compound F



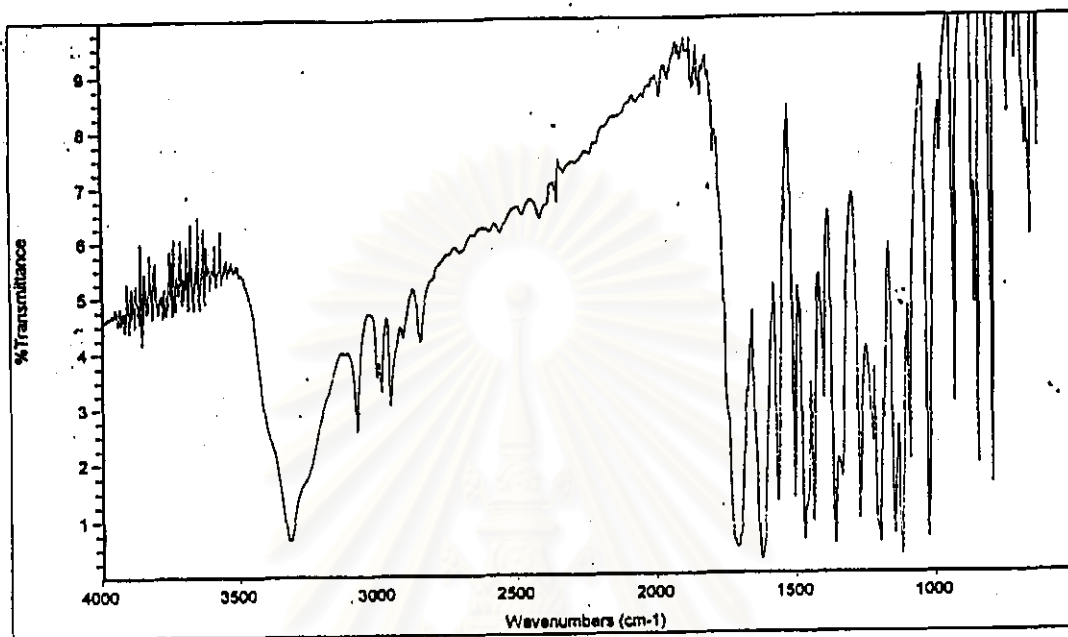


Fig. A10 The IR spectrum of Compound G

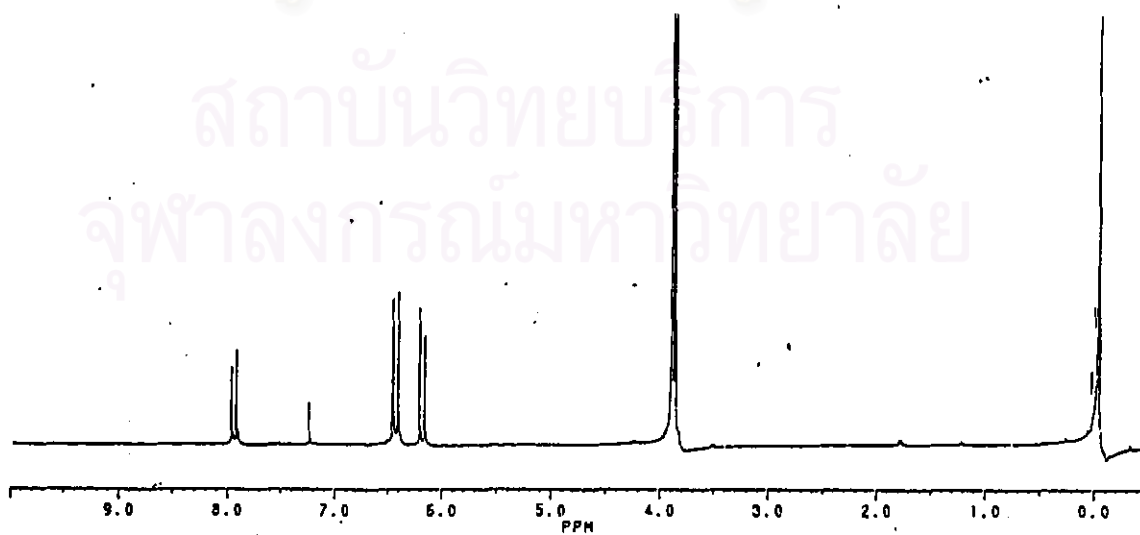


Fig. A11 The  $^1\text{H}$ -NMR spectrum of Compound G

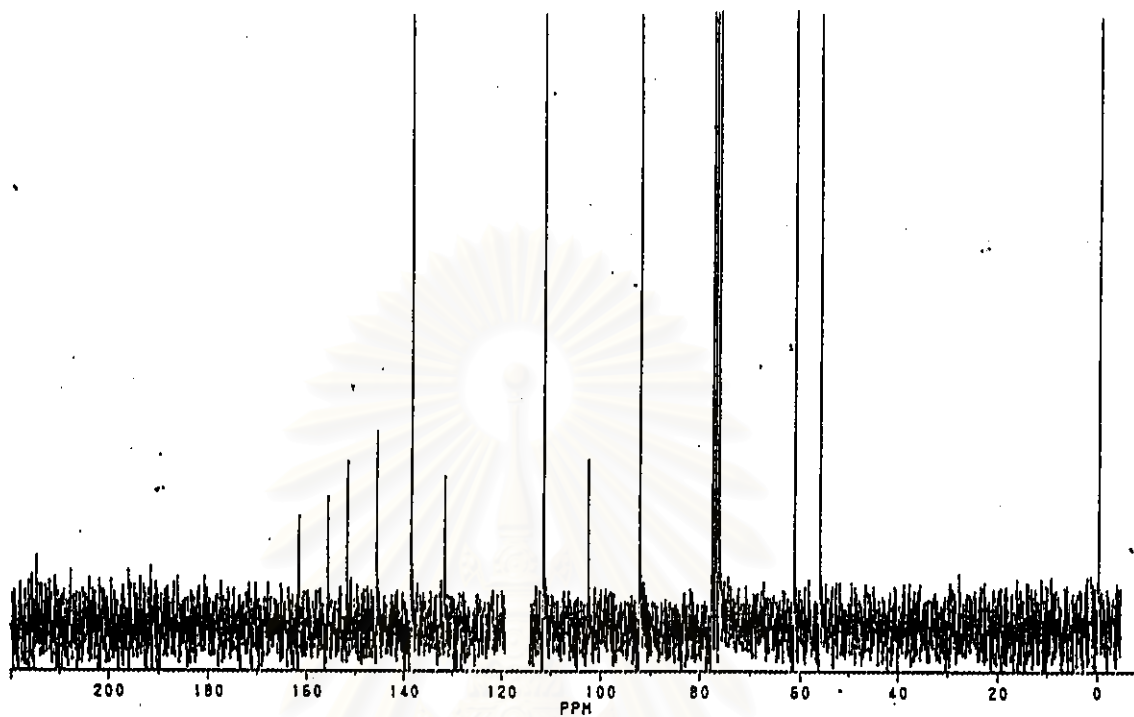
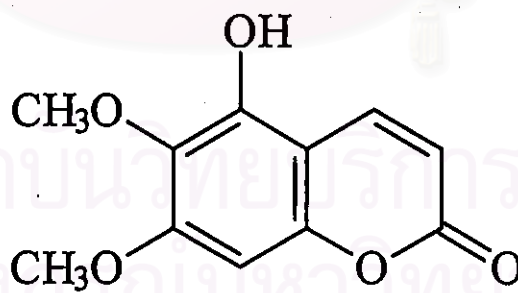


Fig. A12 The  $^{13}\text{C}$ -NMR spectrum of Compound G



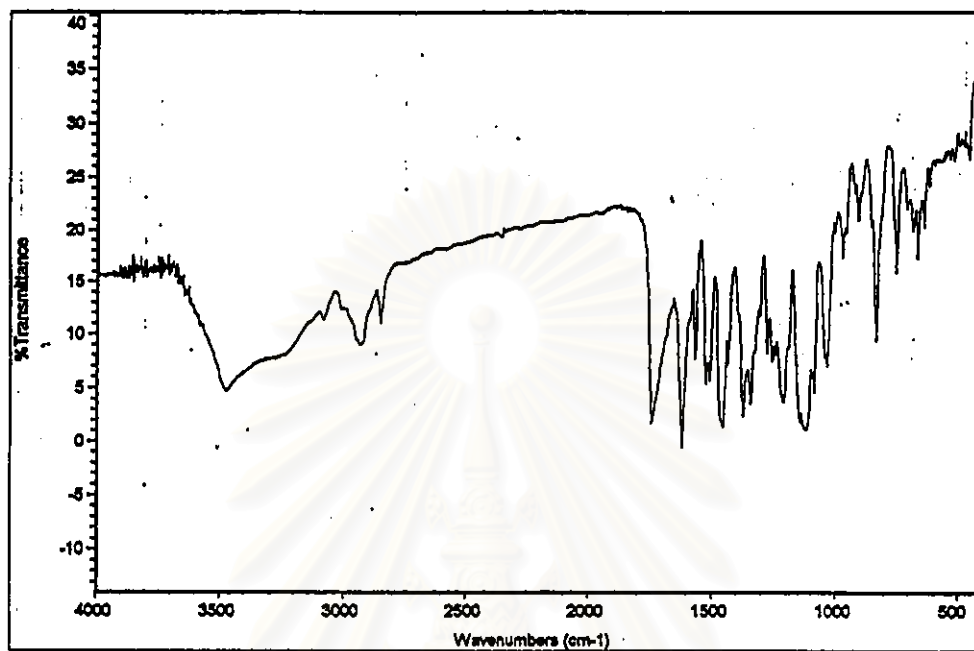


Fig. A13 The IR spectrum of Compound J

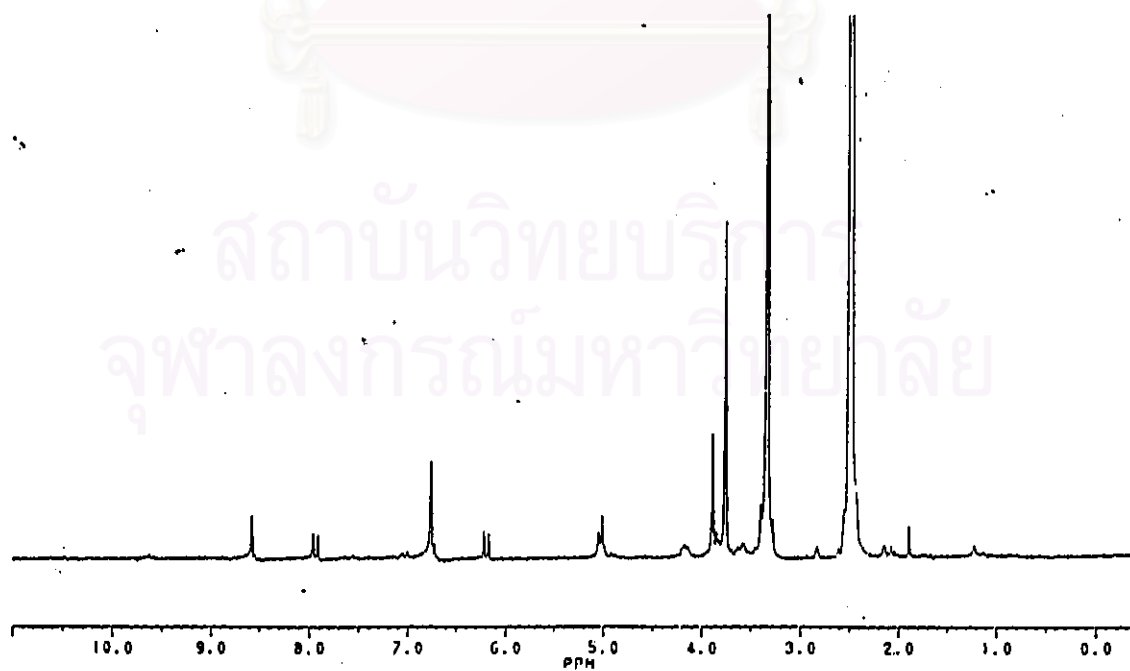


Fig. A14 The <sup>1</sup>H-NMR spectrum of Compound J

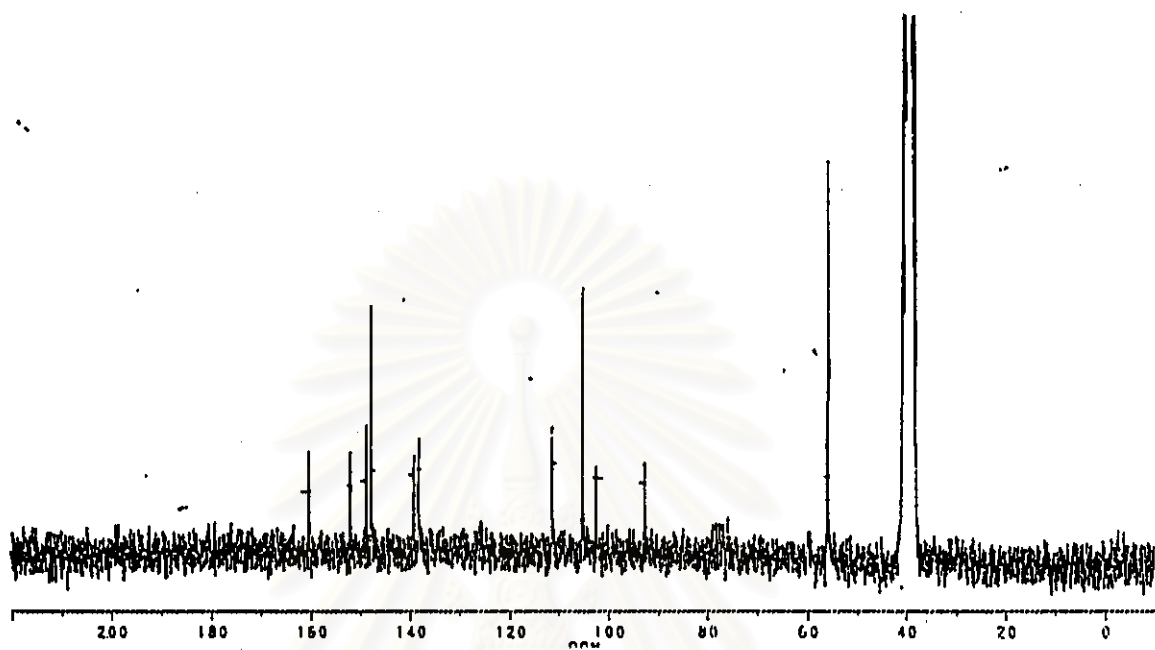
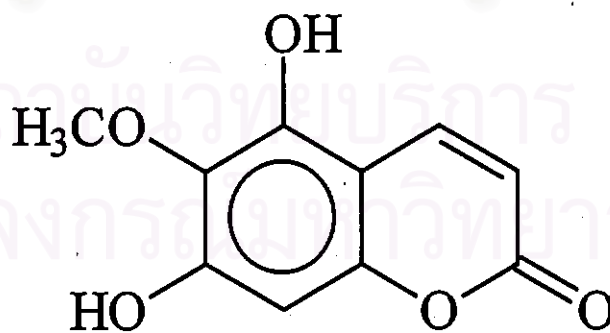


Fig. A15 The  $^{13}\text{C}$ -NMR spectrum of Compound J



## VITA

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