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APPENDIX

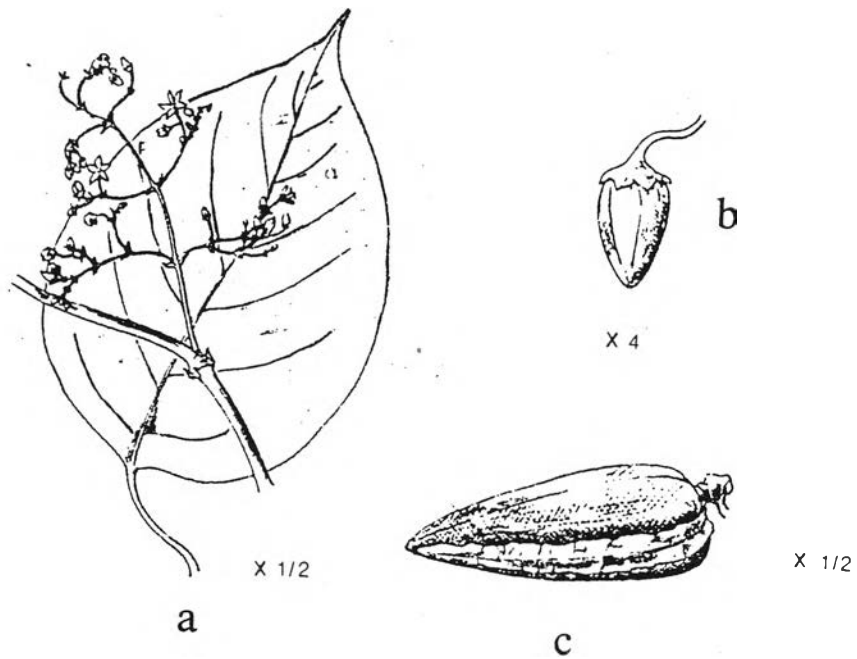


Figure 1.1 *Myriopteran extensum* Schum.

a stem and leaf

b flowering bud

c fruit

a) chloroform:methanol (98:2)

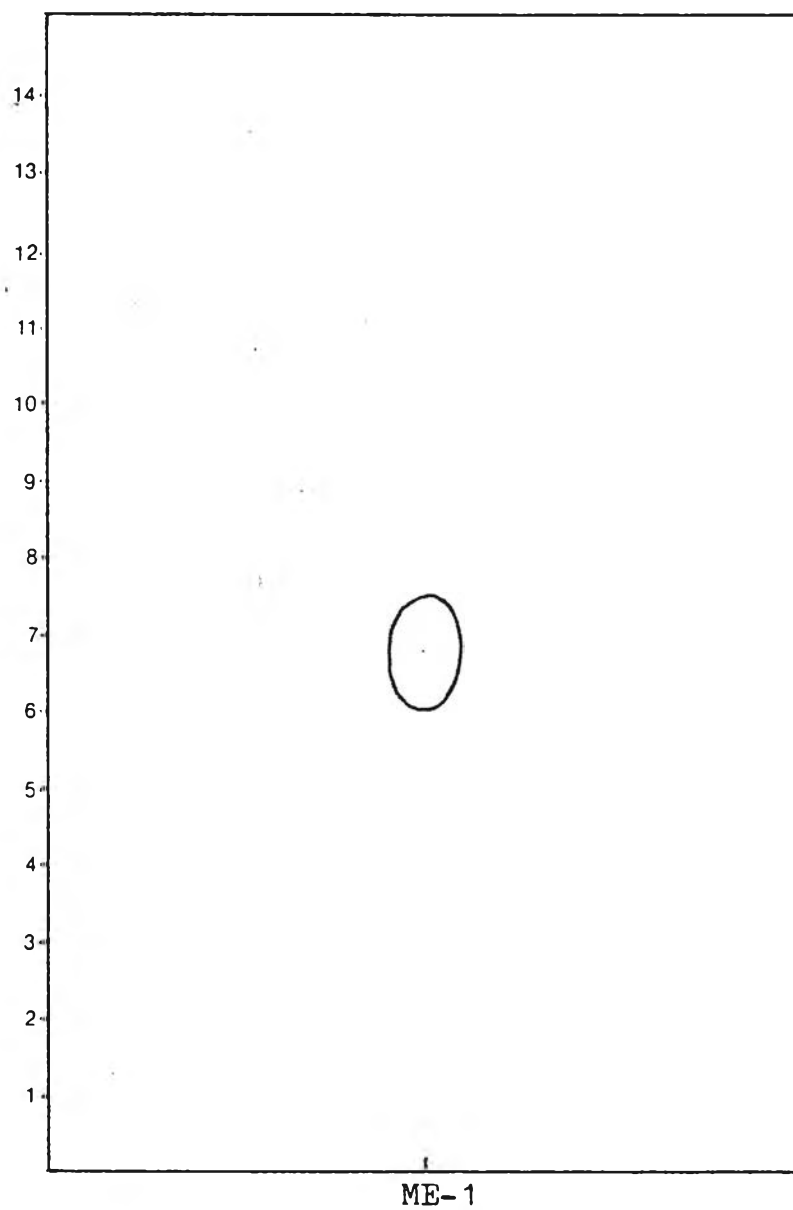


Figure 3.1 Thin-layer chromatogram of ME-1

b) chloroform:acetone (9:1)

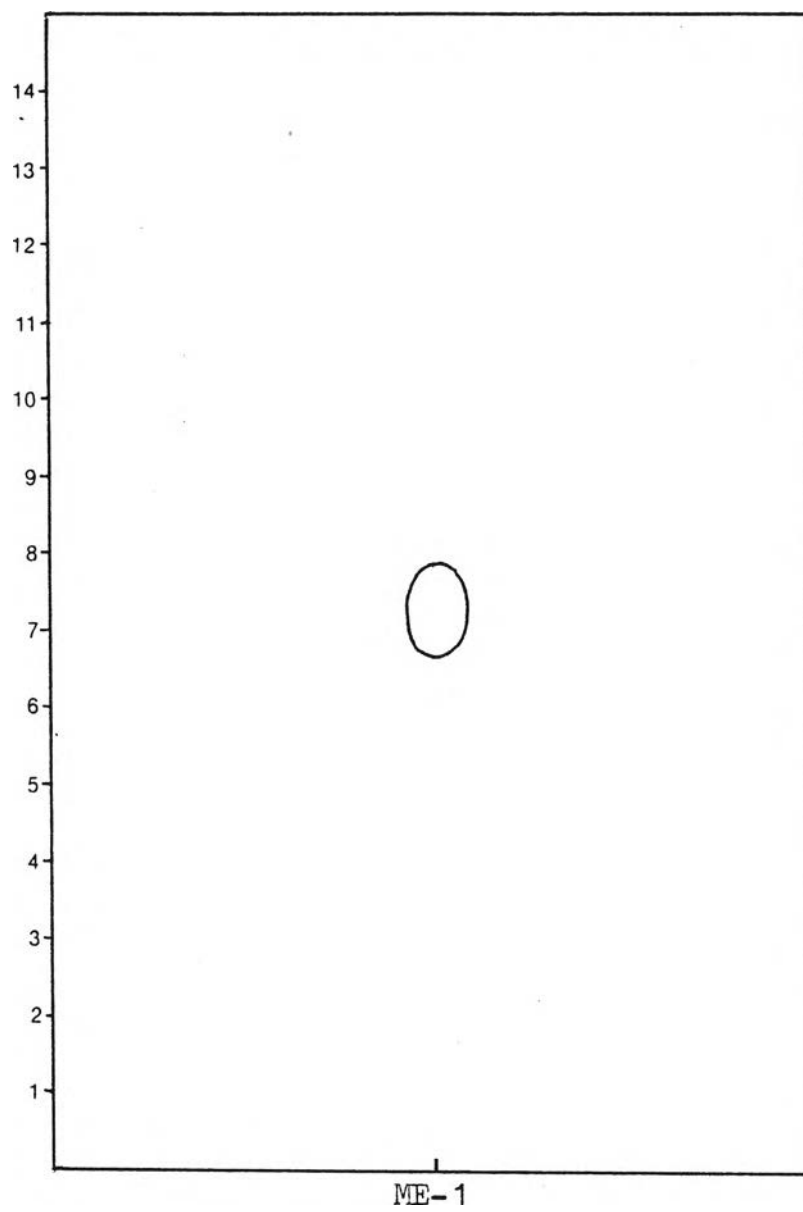


Figure 3.2 Thin-layer chromatogram of ME-1

c) hexane:ethyl acetate (4:1)

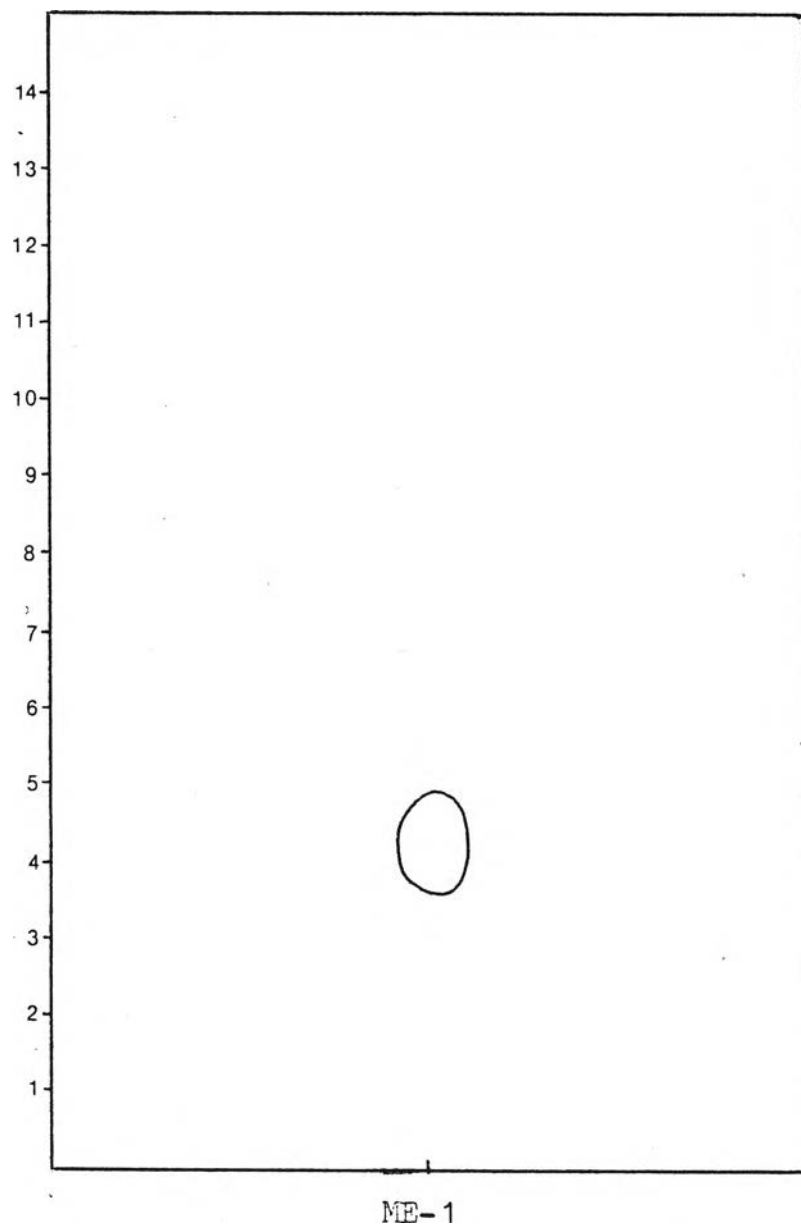


Figure 3.3 Thin-layer chromatogram of ME-1

d) hexane:acetone (1:1)

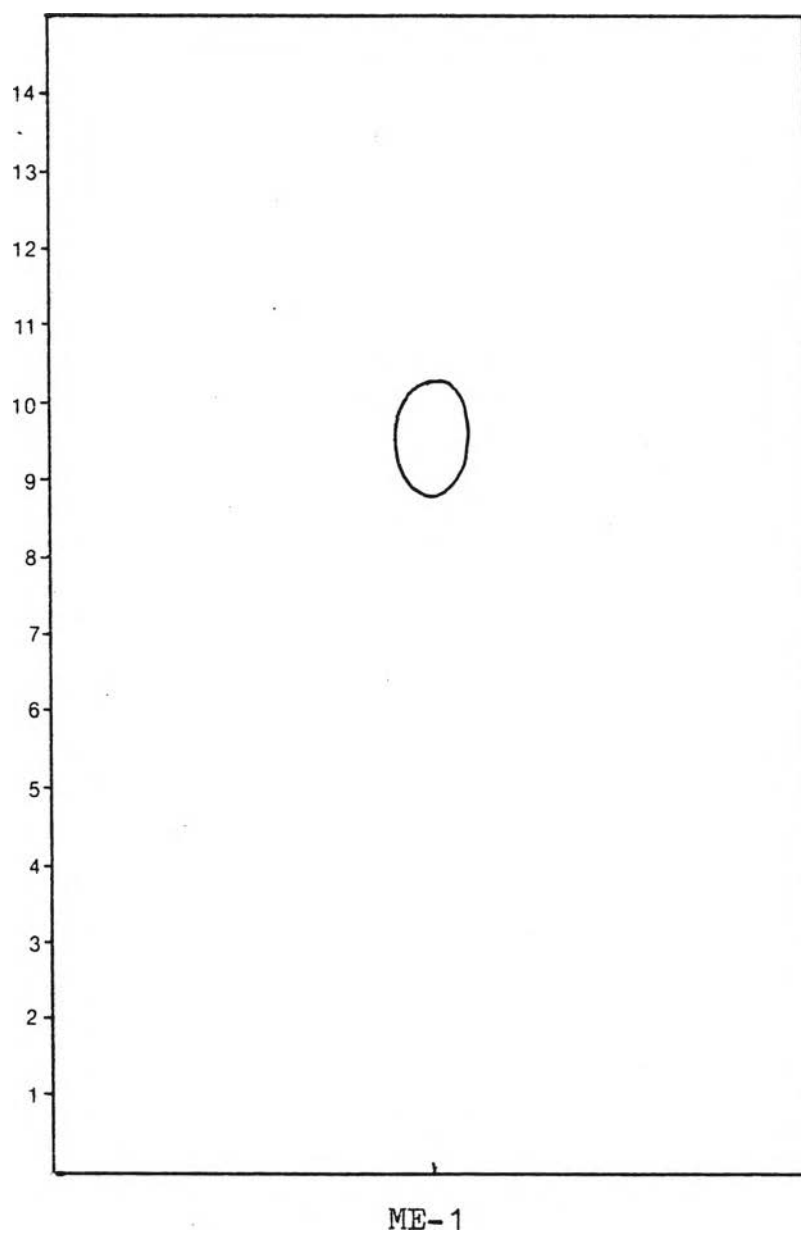


Figure 3.4 Thin-layer chromatogram of ME-1

e) petroleum ether:acetone (7:3)

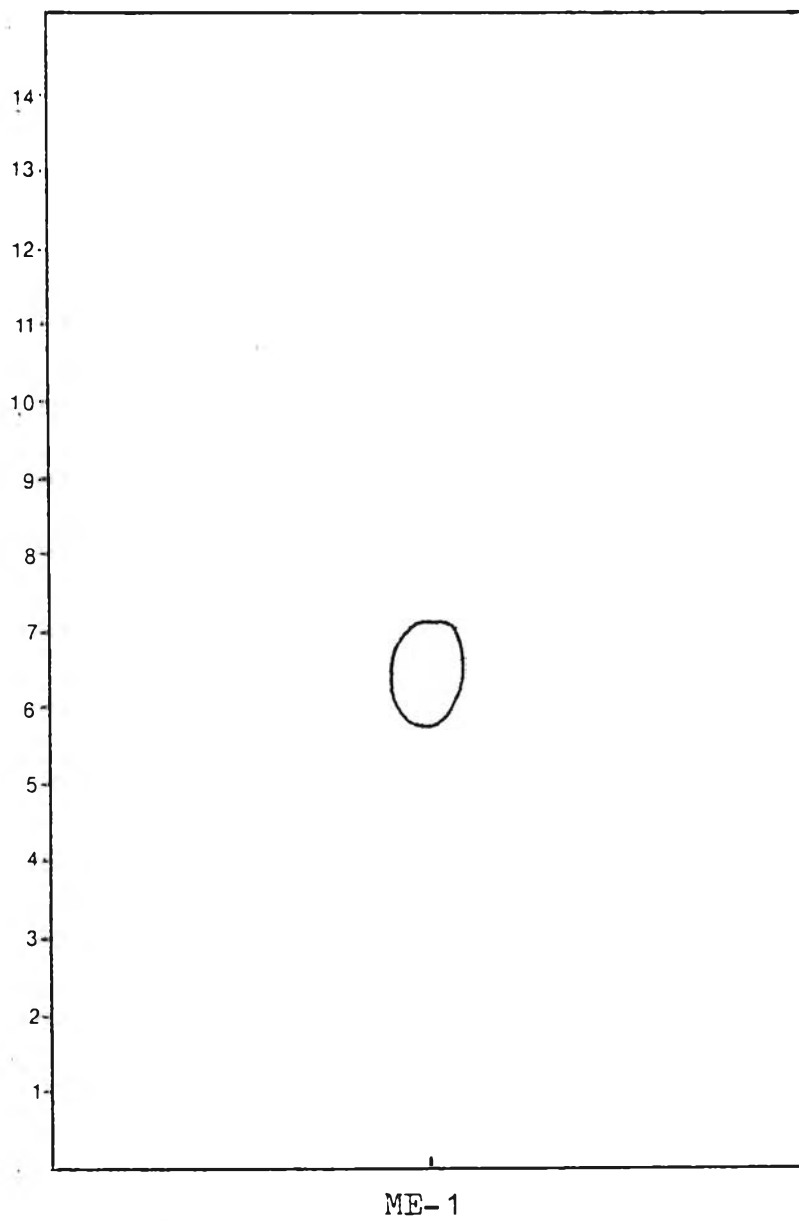


Figure 3.5 Thin-layer chromatogram of ME-1

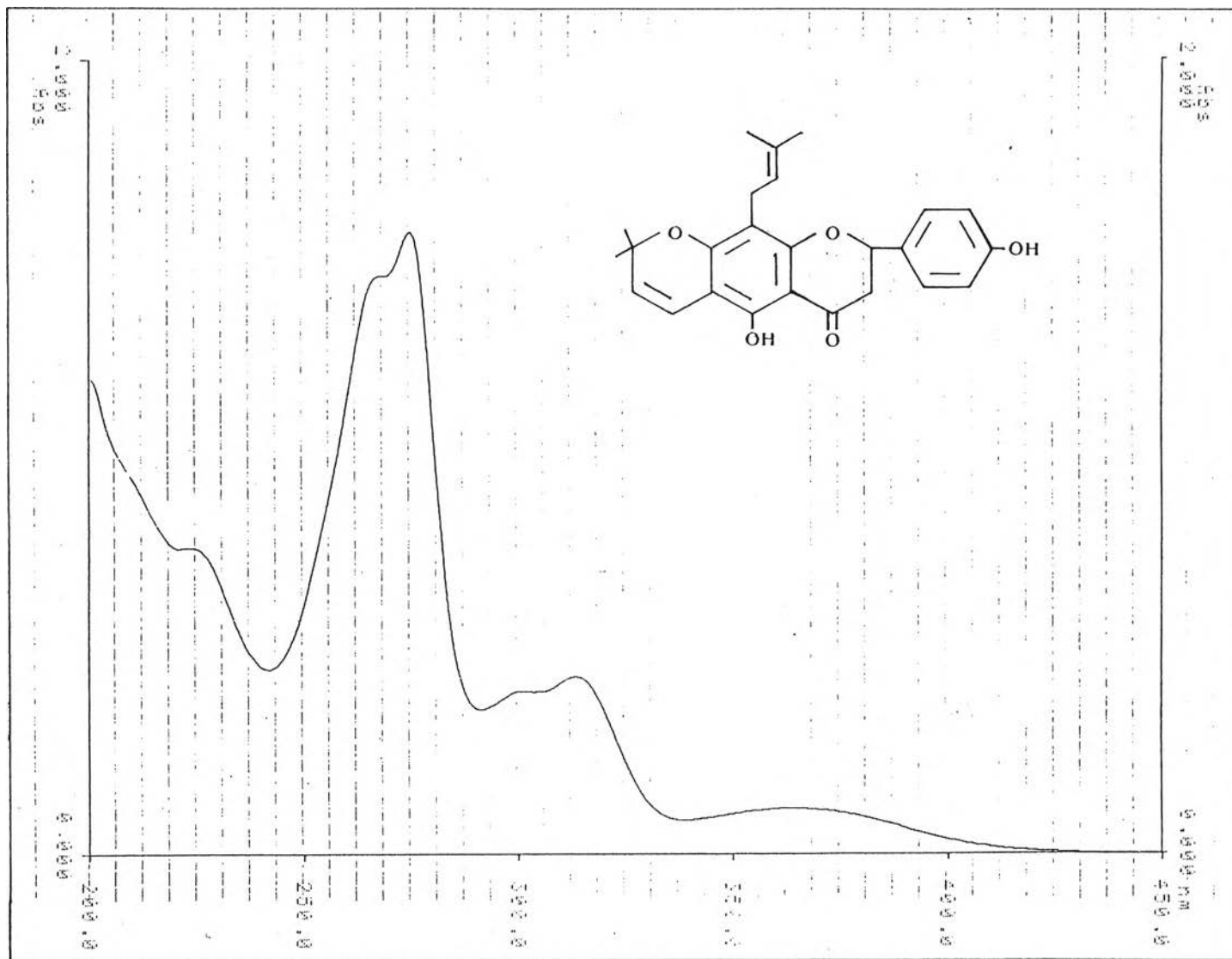


Figure 3.6 Ultraviolet Absorption Spectrum of ME-1

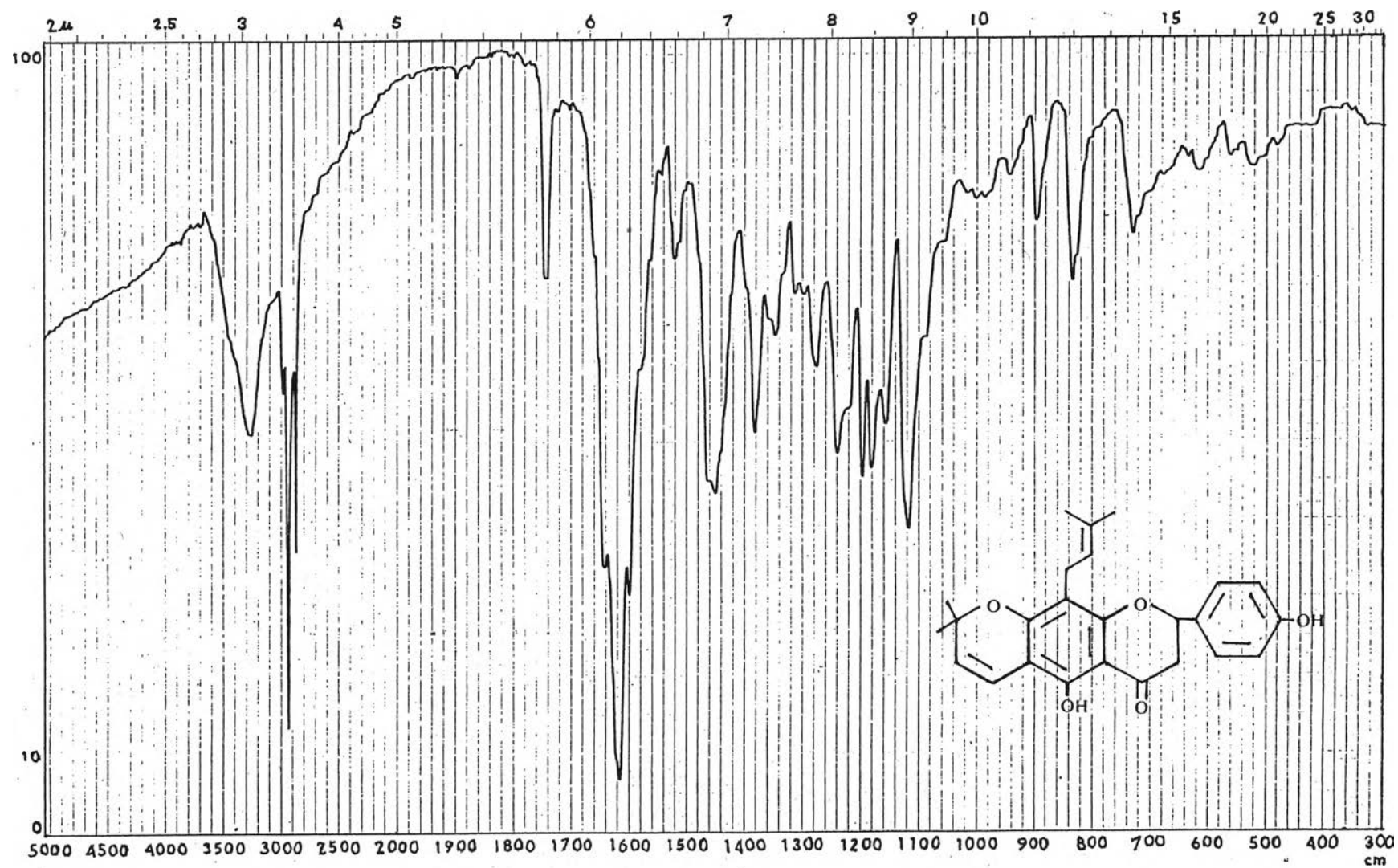


Figure 3.7 Infrared Absorption Spectrum of ME-1

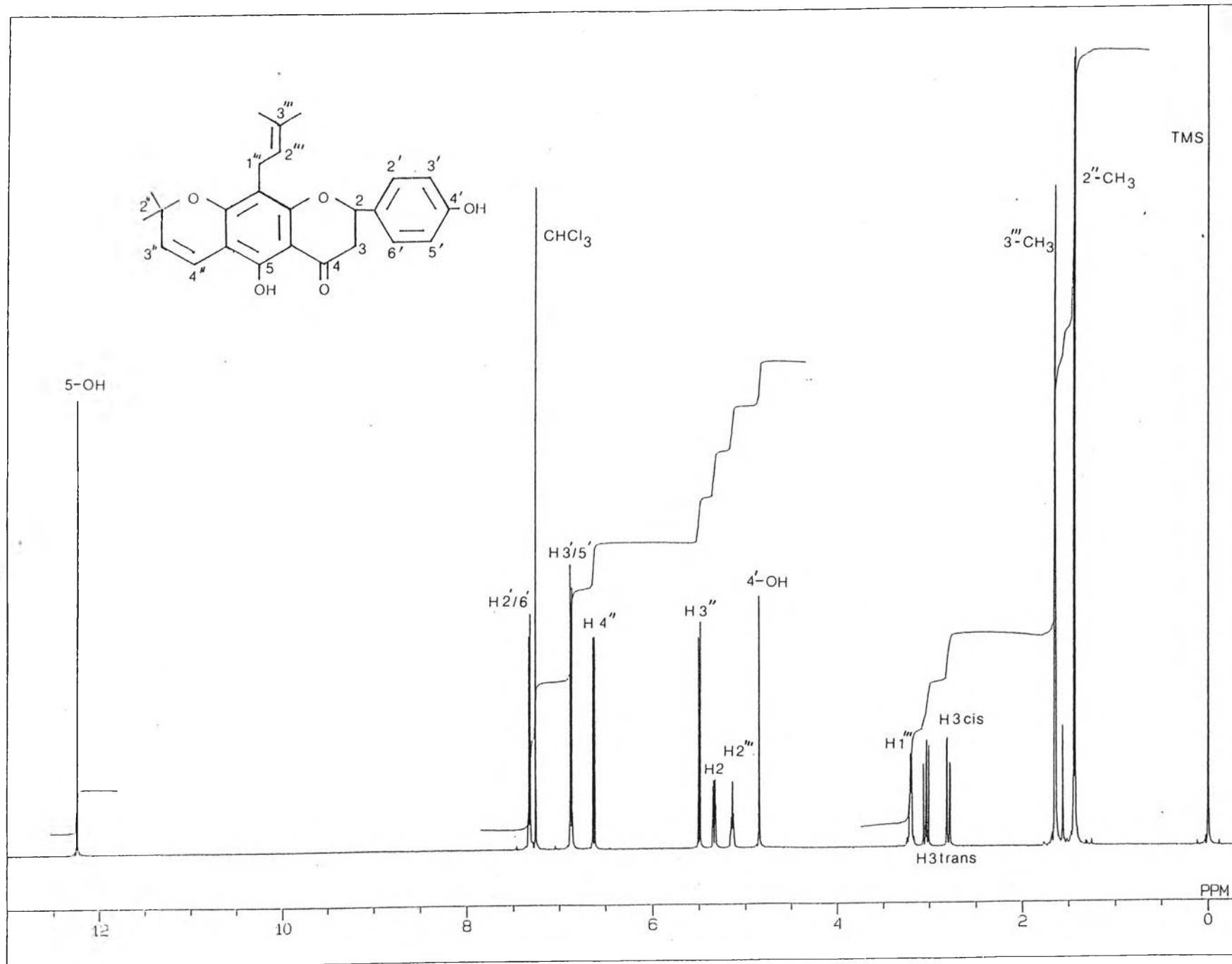


Figure 3.8 ¹H-NMR Spectrum of ME-1 (500 MHz)

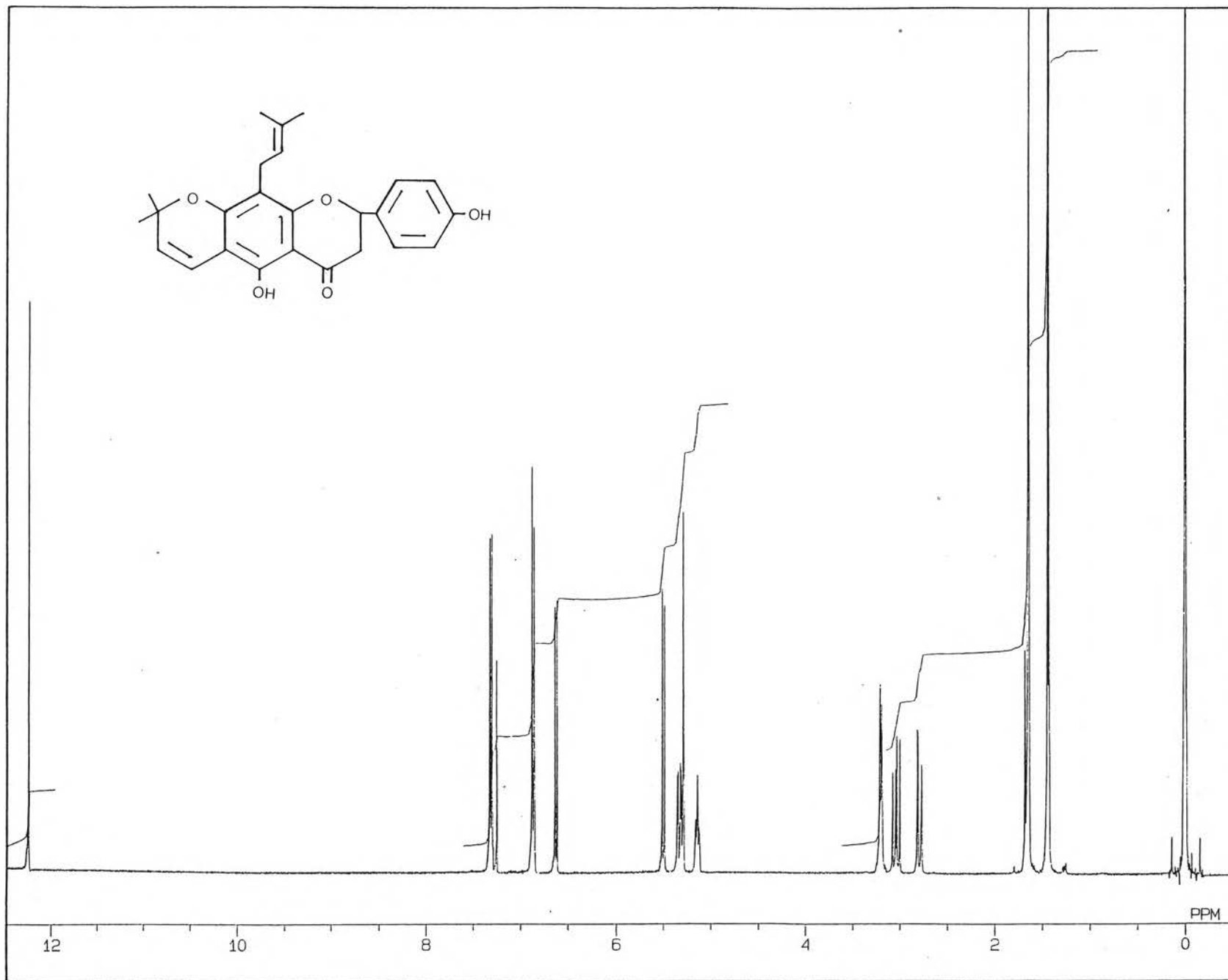


Figure 3.9 ¹H-NMR Spectrum
of ME-1 (400 MH

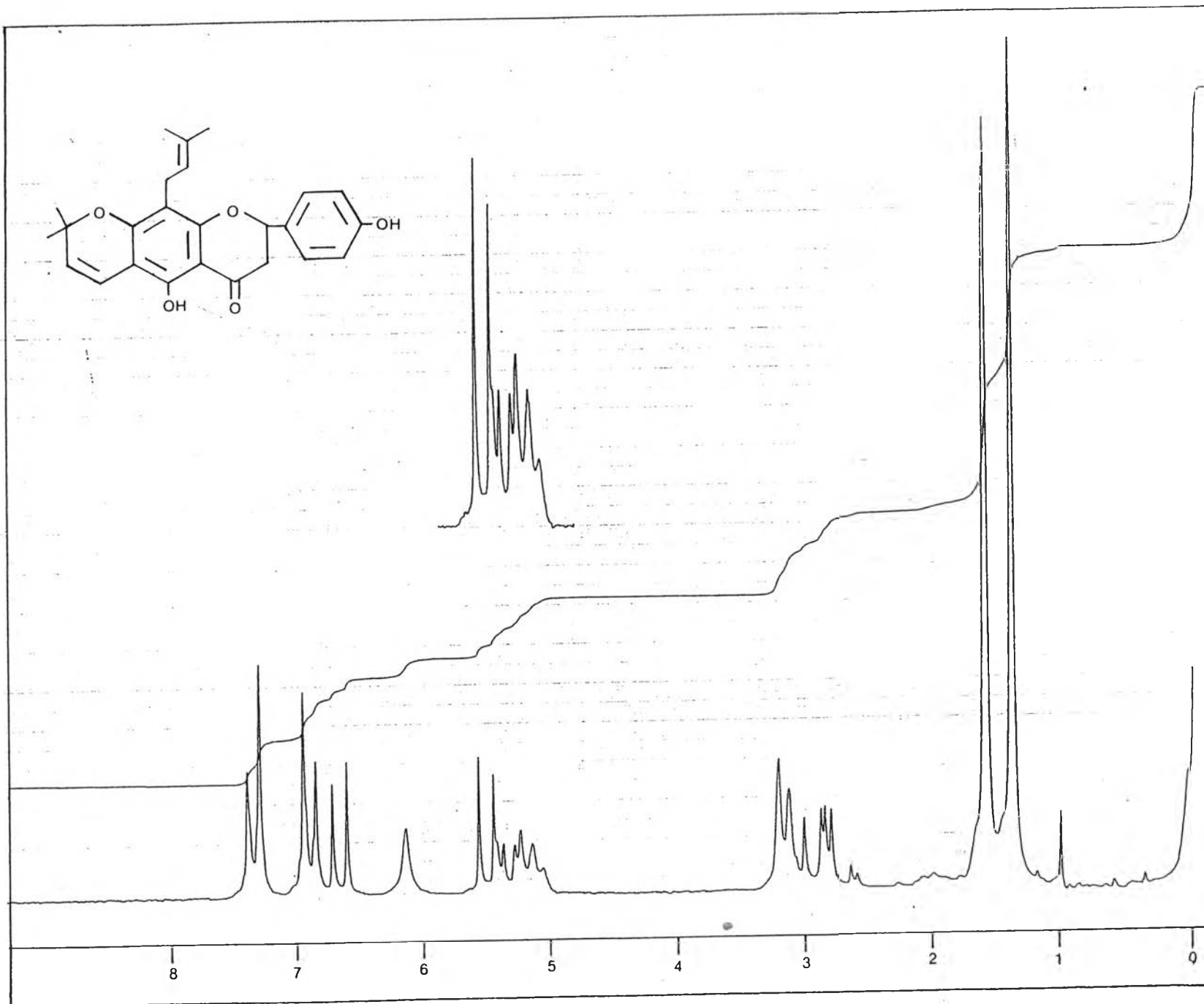


Figure 3.10 $^1\text{H-NMR}$ Spectrum
of ME-1
(90 MHz)

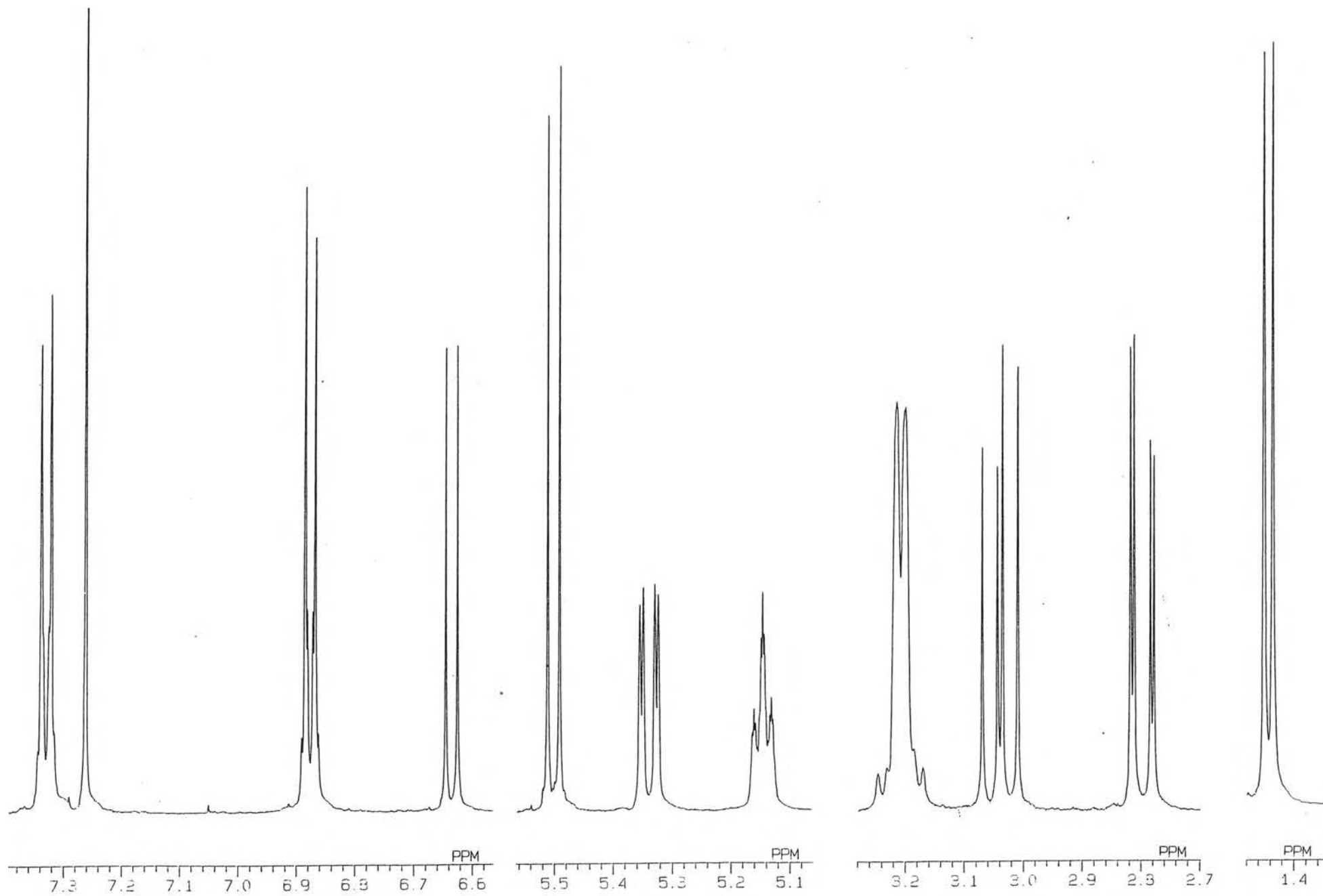


Figure 3.11 $^1\text{H-NMR}$ Spectrum of ME-1 (400 MHz)

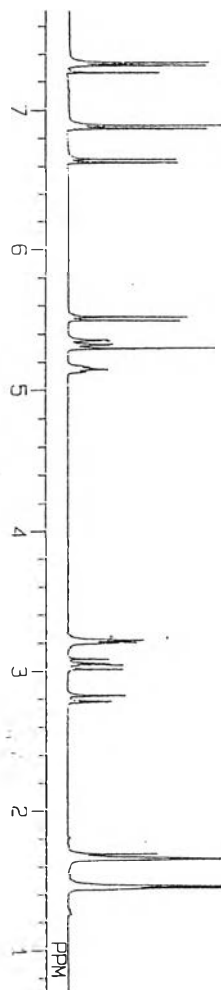
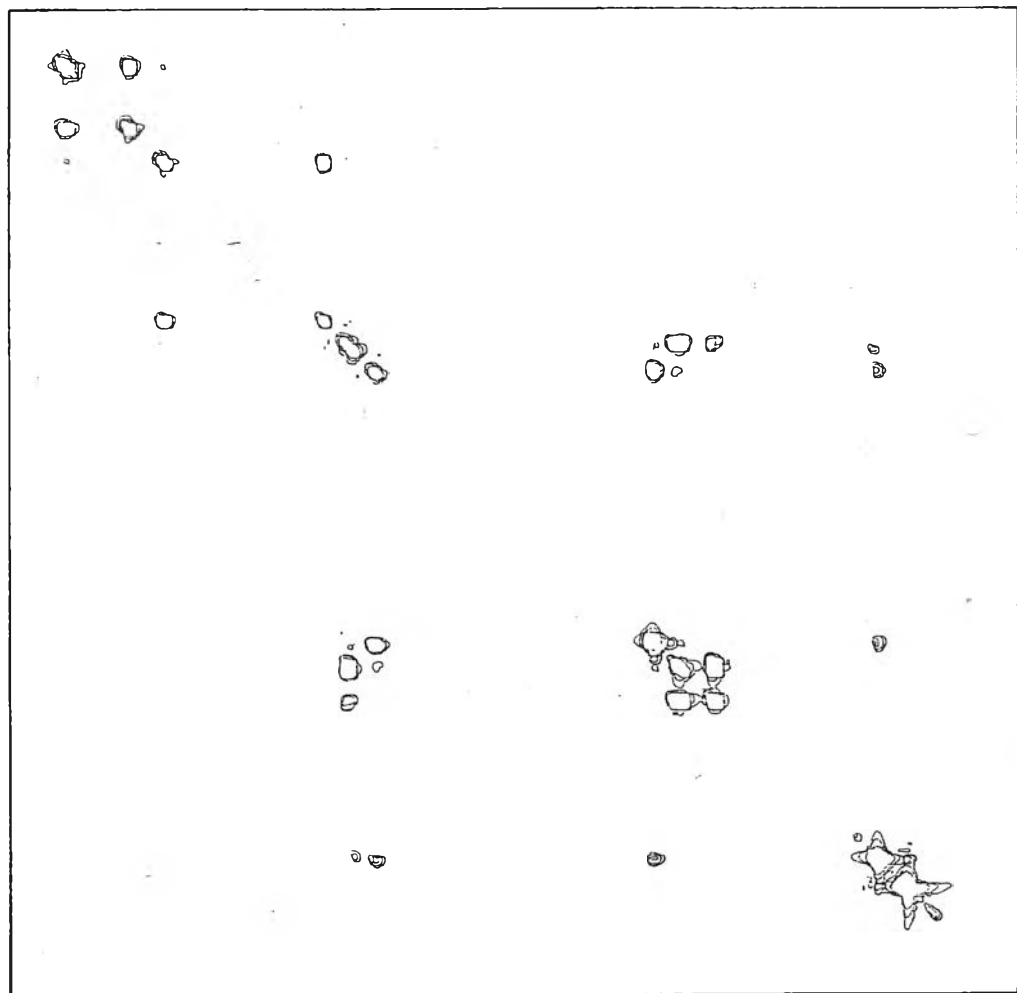
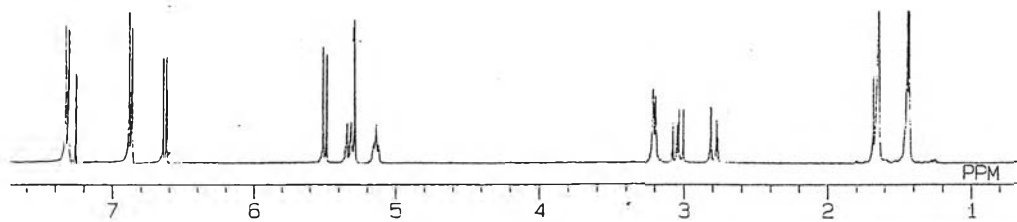


Figure 3.12 Two Dimension ^1H -NMR Spectrum (COSY) of ME-1 (400 MHz)

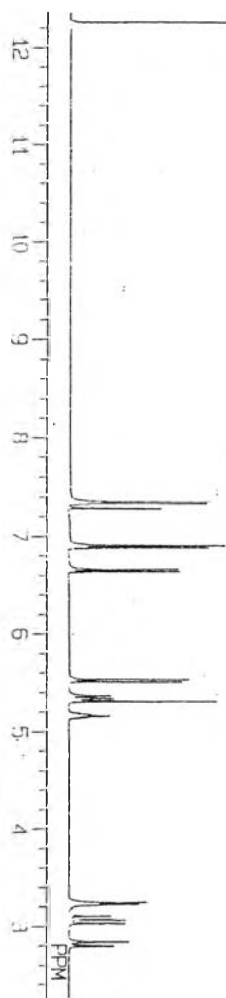
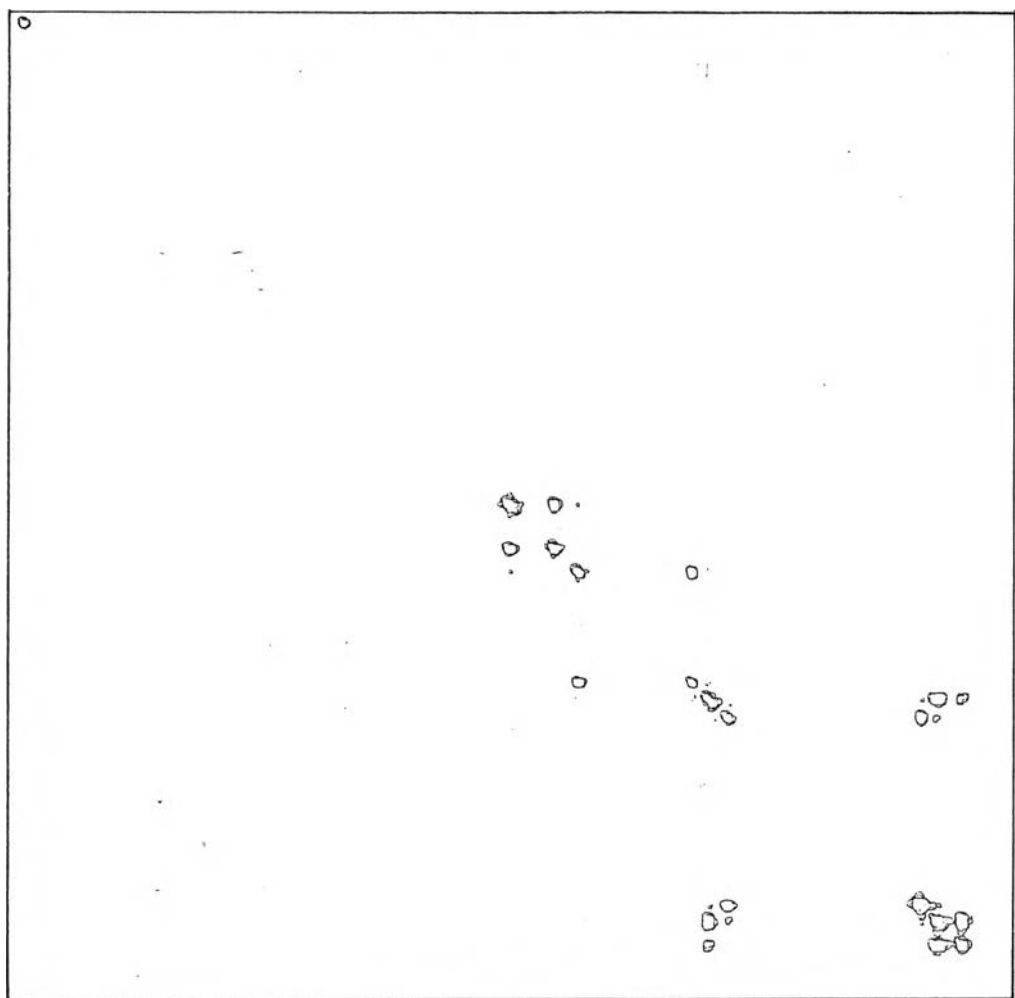
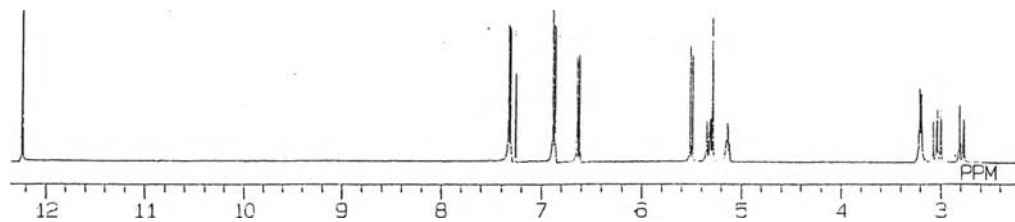


Figure 3.13 Two Dimension ¹H-NMR
Spectrum (COSY) of ME-1
(400 MHz)

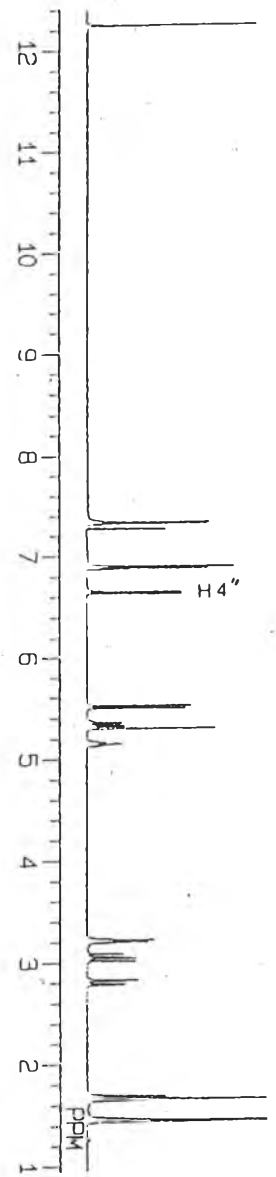
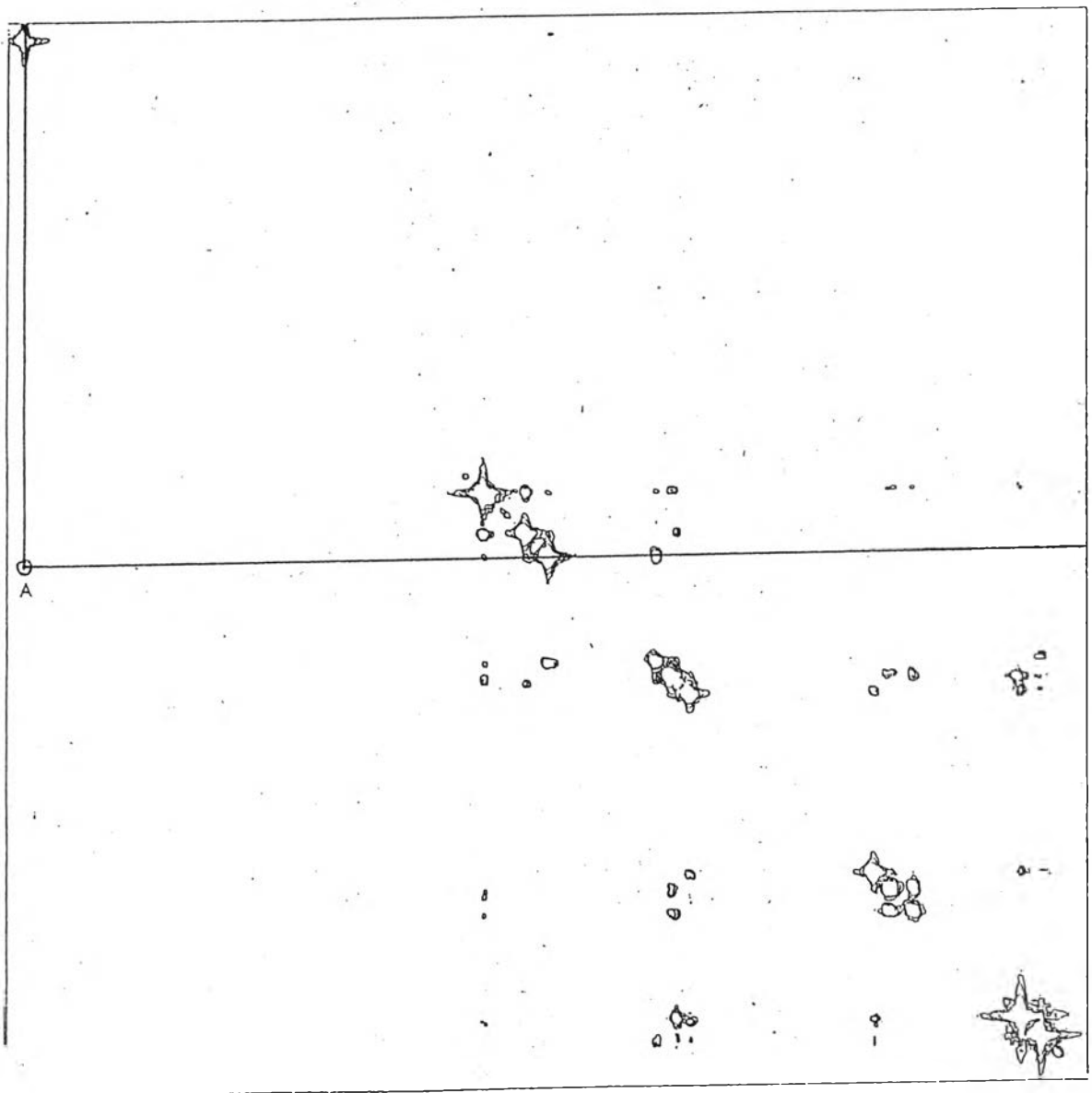
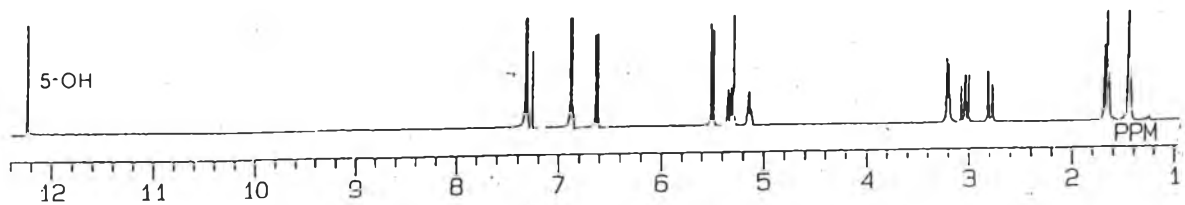


Figure 3.14 Two Dimension ^1H -NMR Spectrum (NOESY) of ME-1 (400 MHz)

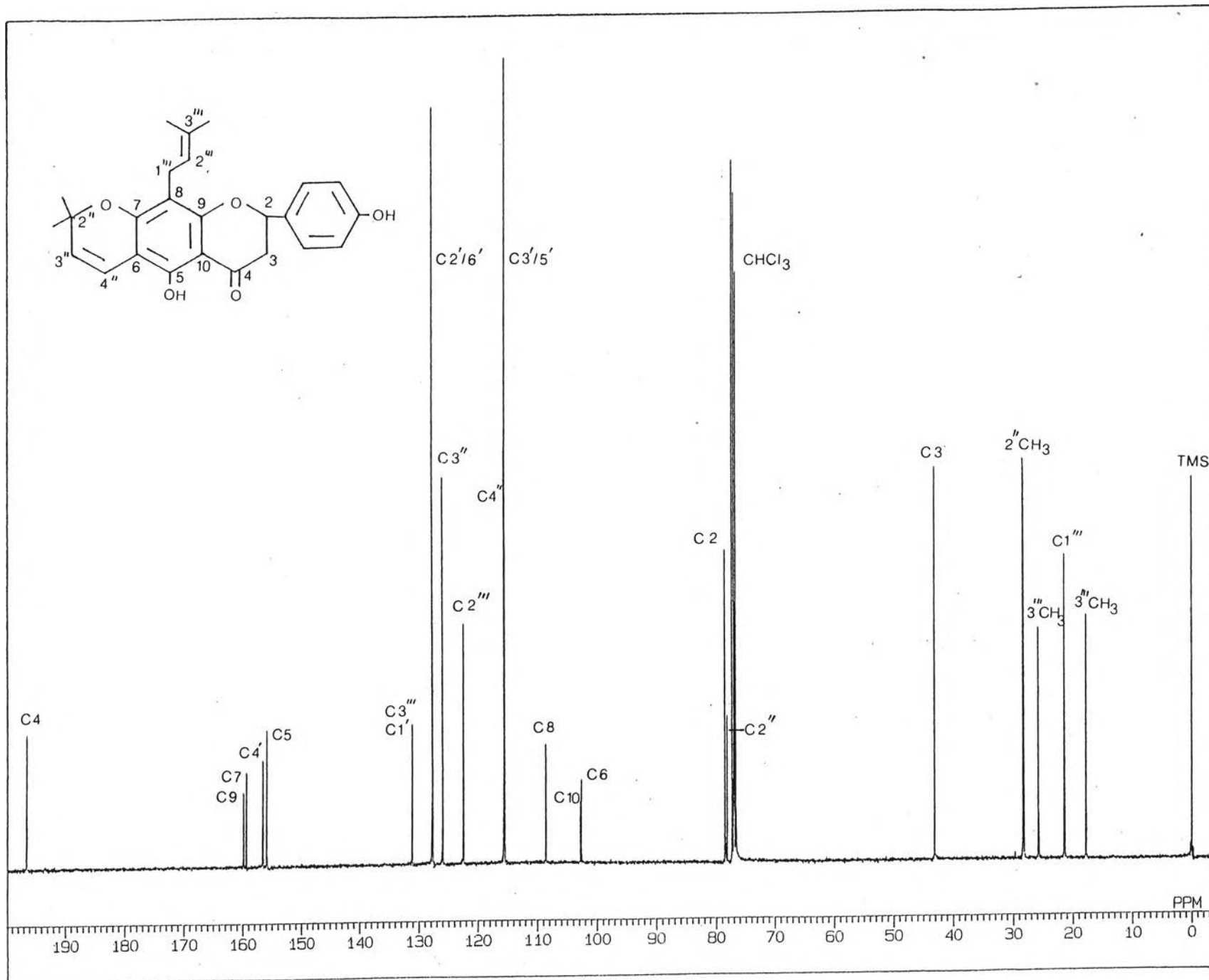


Figure 3.15 ^{13}C -NMR
Spectrum of
ME-1 (100 MHz)

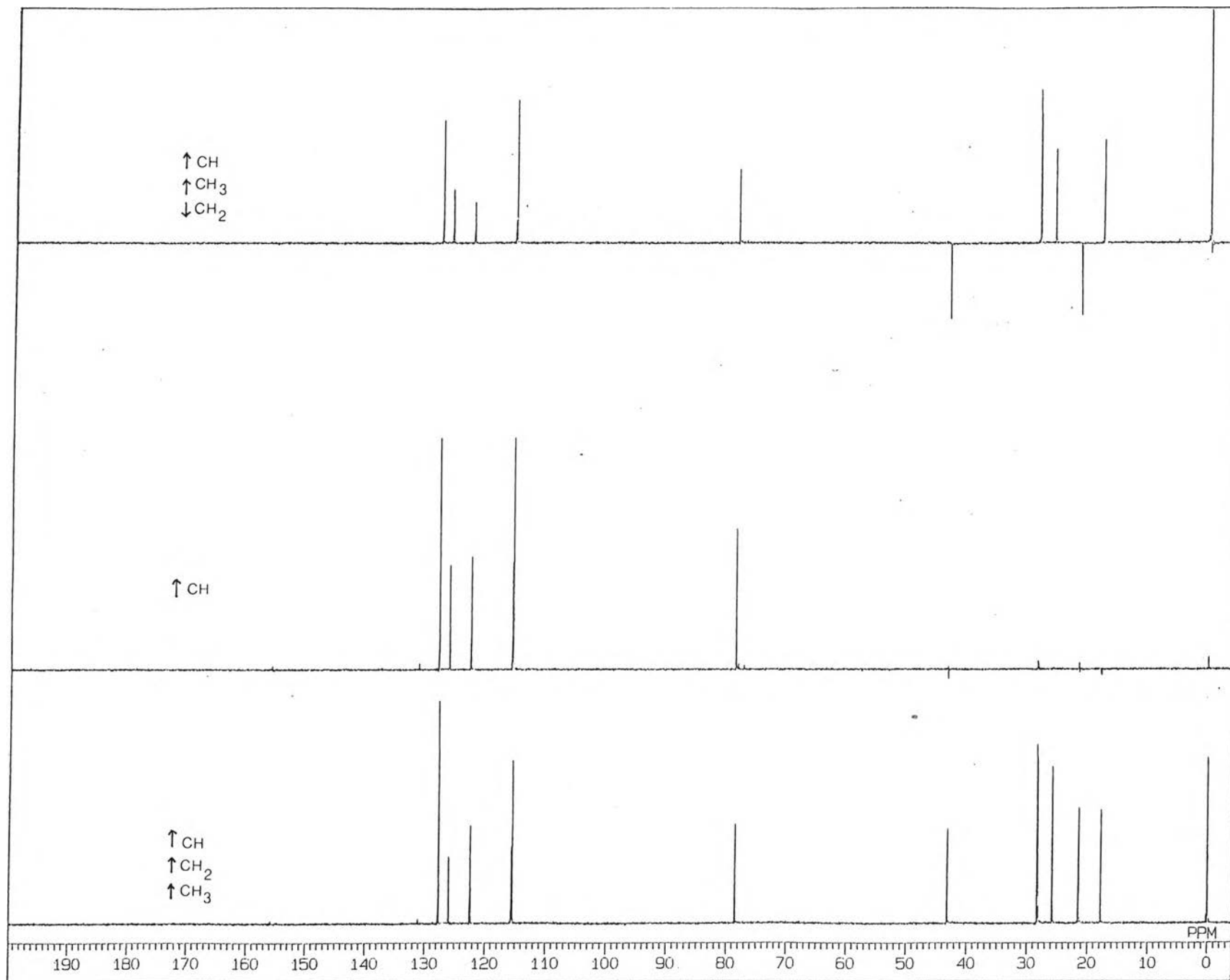


Figure 3.16 ¹³C-NMR Spectra
 (Select INEPT)
 of ME-1
 (100 MHz)

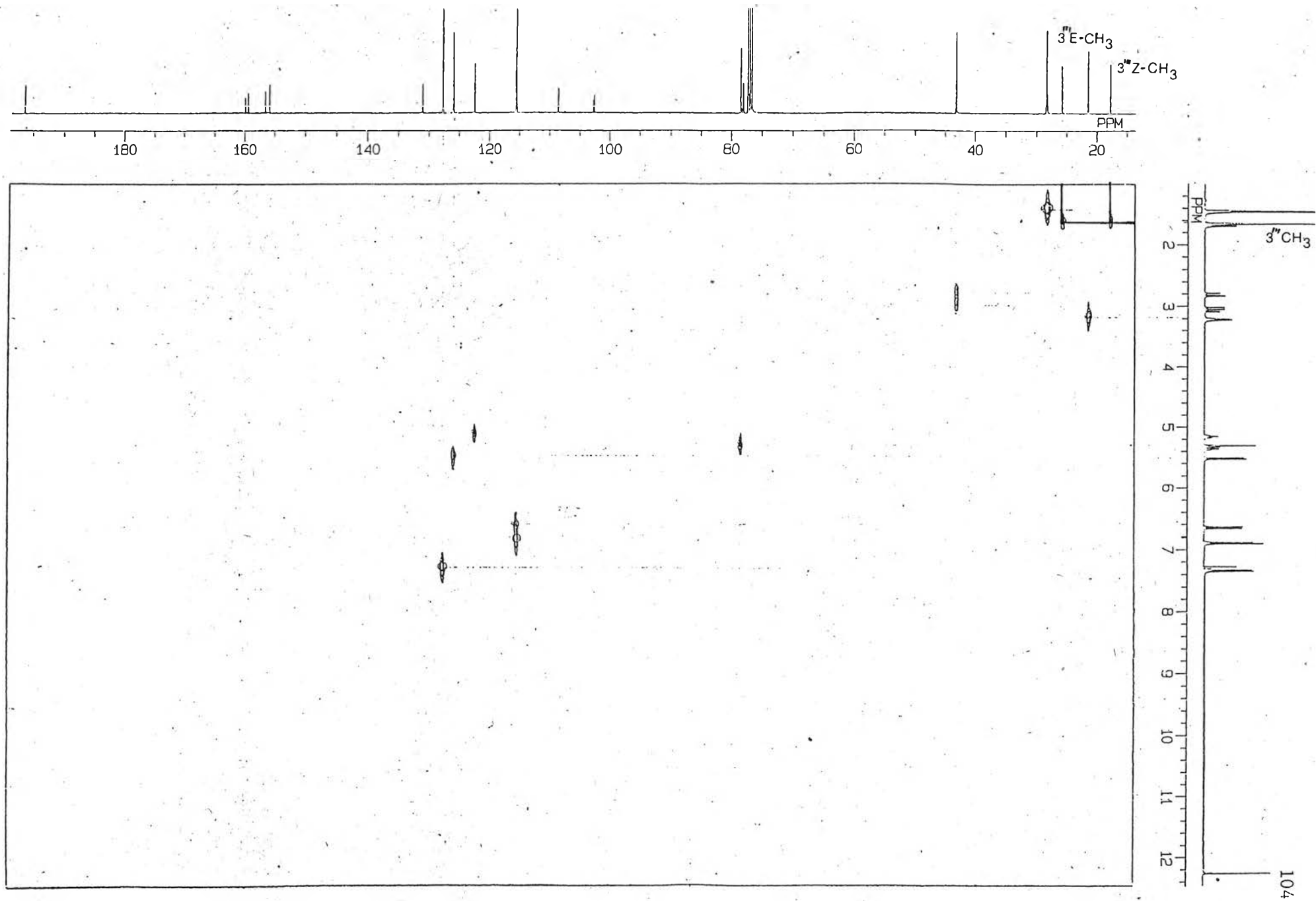


Figure 3.17 Two Dimension ^{13}C - ^1H HETCOR Spectrum of ME-1 (100 MHz)

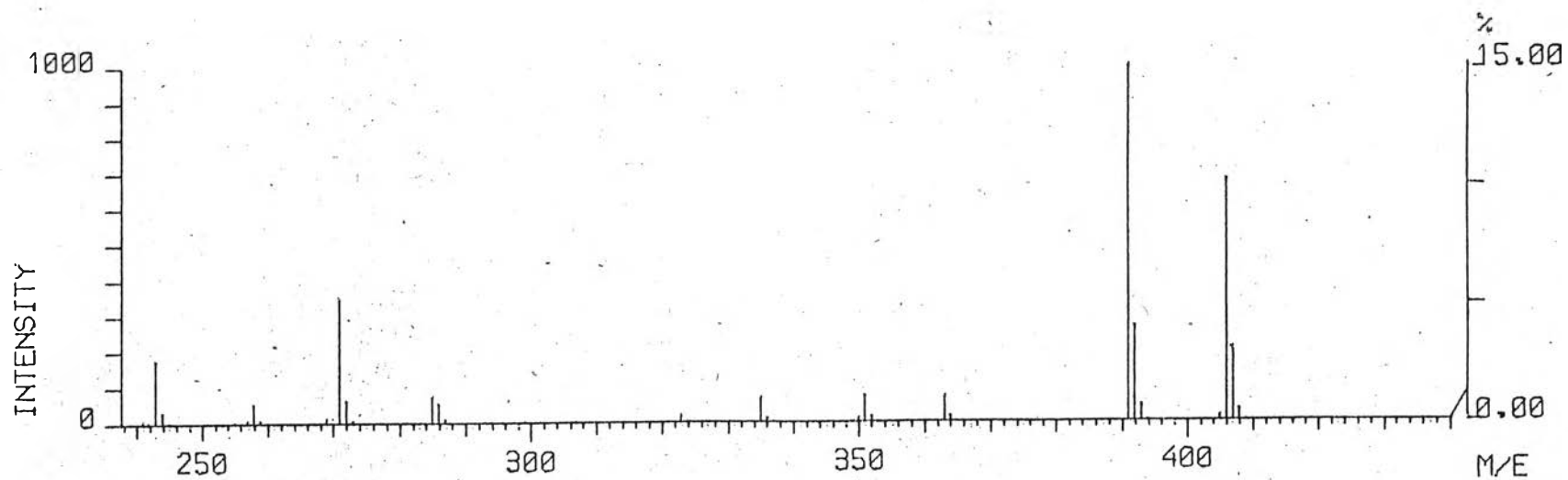
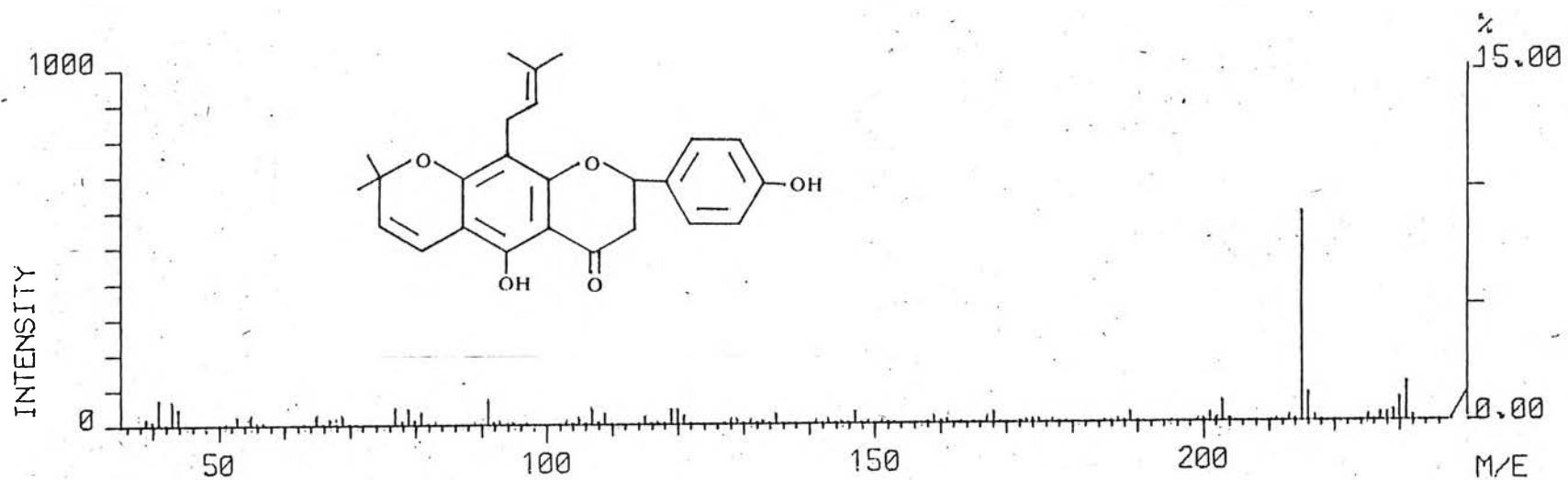


Figure 3.18 Mass Spectrum of ME-1

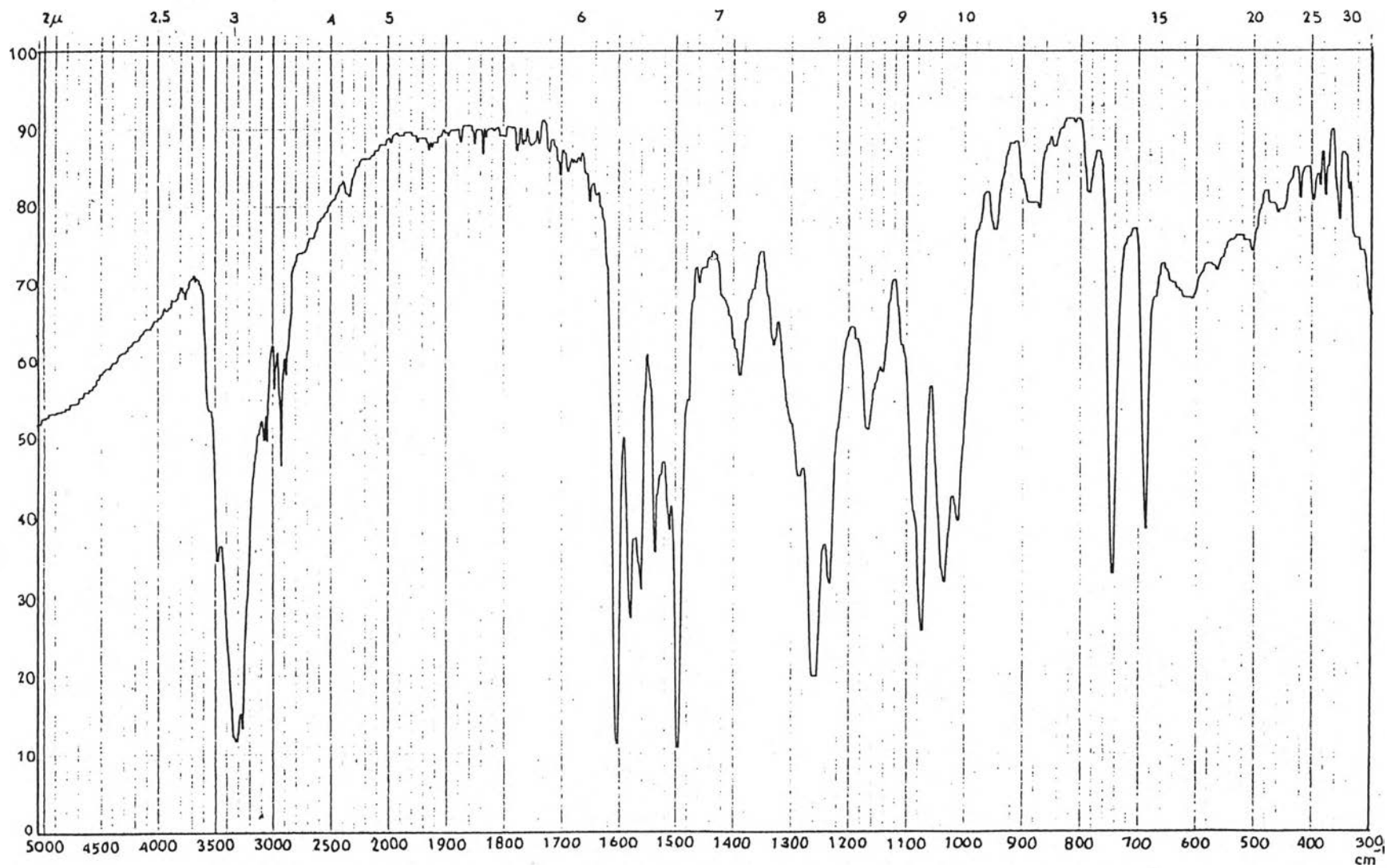


Figure 3.19 Infrared Absorption Spectrum of Osazone Product of ME-1

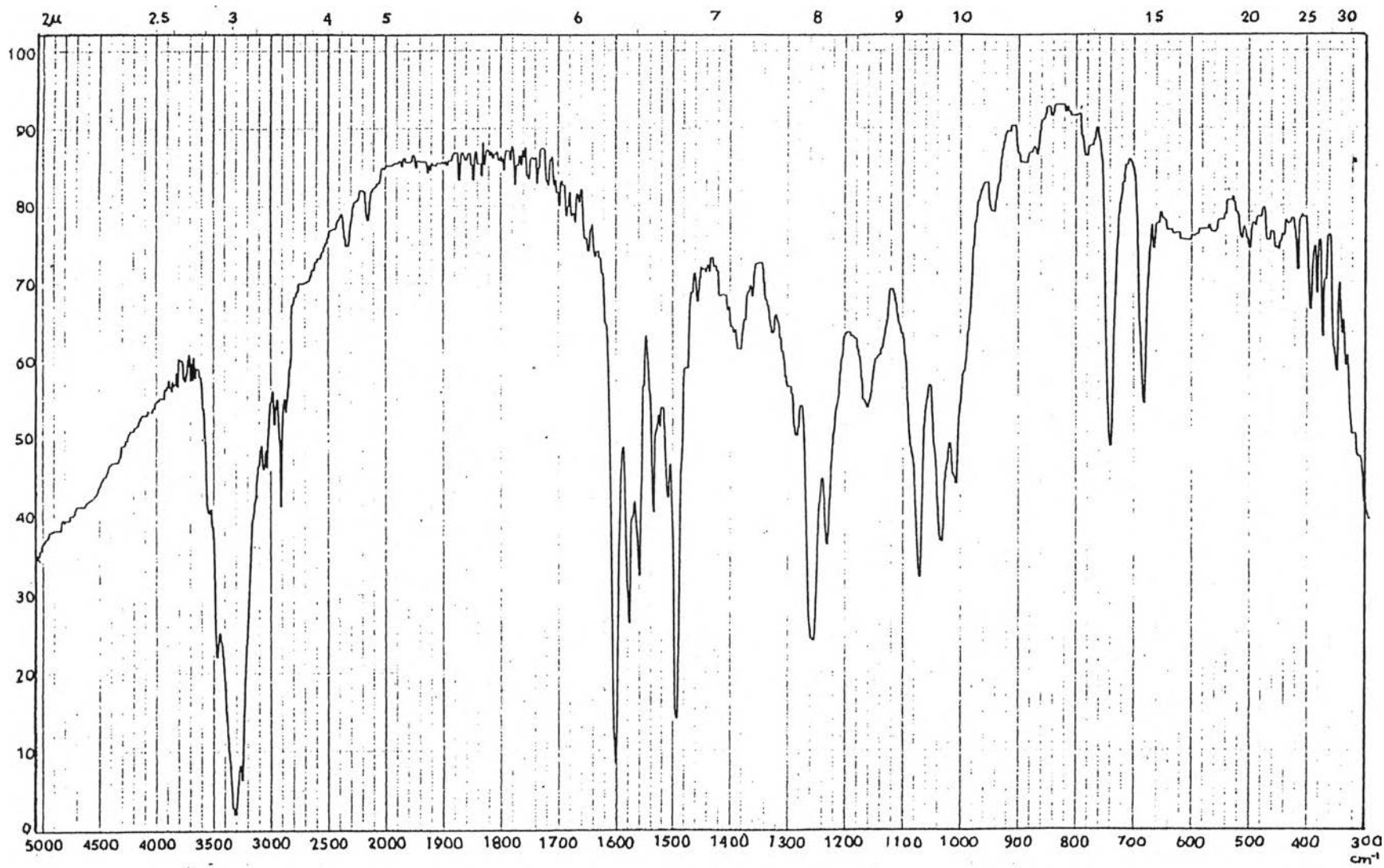


Figure 3.20 Infrared Absorption Spectrum of Osazone Product of Sucrose

VITA

Miss Witchuda Vejjajiva was born on February 7, 1967 in Bangkok, Thailand. She received her Bachelor of Science in Pharmacy in 1988 from the Faculty of Pharmaceutical Science, Chulalongkorn University, Bangkok, Thailand.

