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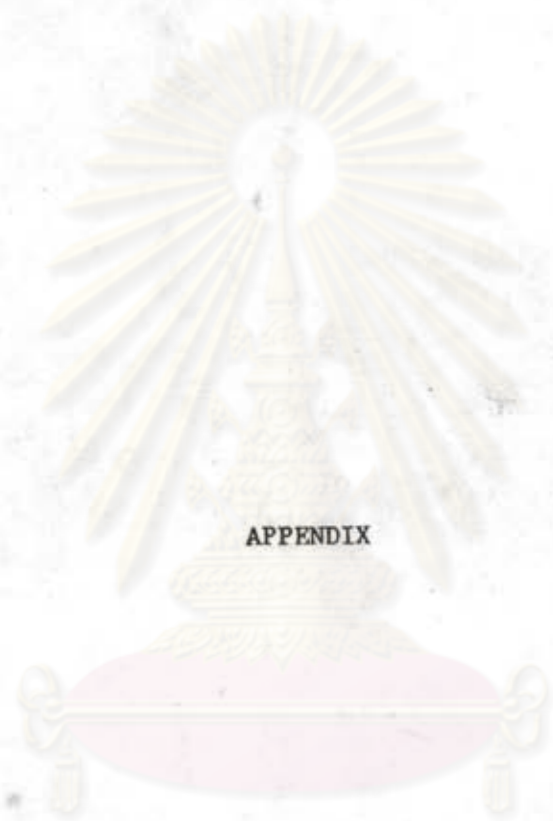
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จุฬาลงกรณ์มหาวิทยาลัย



APPENDIX

ศูนย์วิทยทรัพยากร
จุฬาลงกรณ์มหาวิทยาลัย

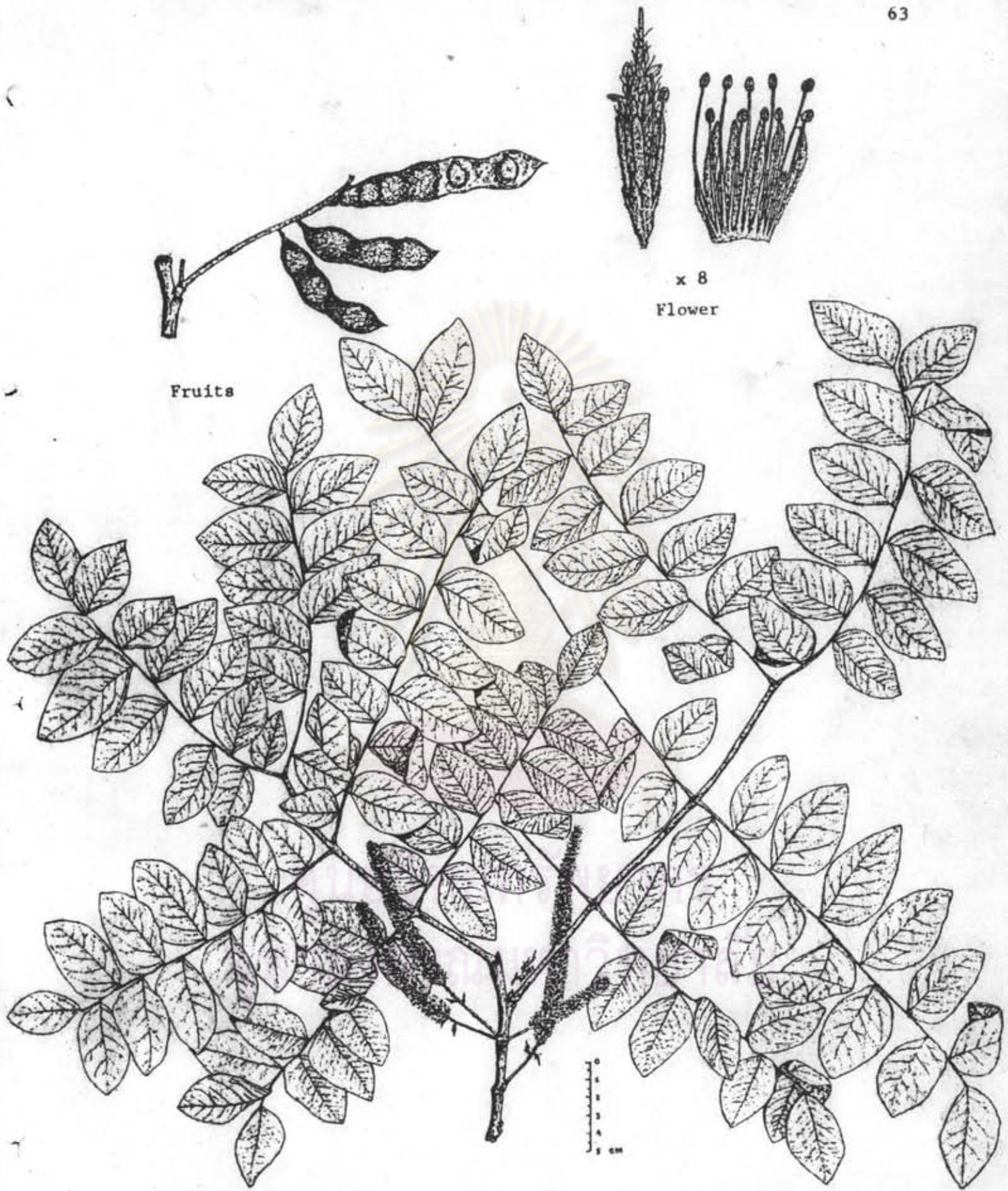


Figure 11. *Erythrophleum teysmannii* Craib var. *puberulum* Craib

Silica gel (G + GF) / cyclohexane + chloroform + diethylamine (5 + 4 + 1)
(double developed)



Figure 12. Thin layer chromatogram of crude alkaloid

Alumina (G + GF) / cyclohexane + chloroform + diethylamine (5 + 4 + 1)



Figure 13. Thin layer chromatogram of crude alkaloid

Silica gel (G + GF) / cyclohexane + chloroform + diethylamine (5 + 4 + 1)



Figure 14. Thin layer chromatogram of alkaloid KS_1

Silica gel (G + GF) / cyclohexane + chloroform + methanol (3 + 6 + 1)

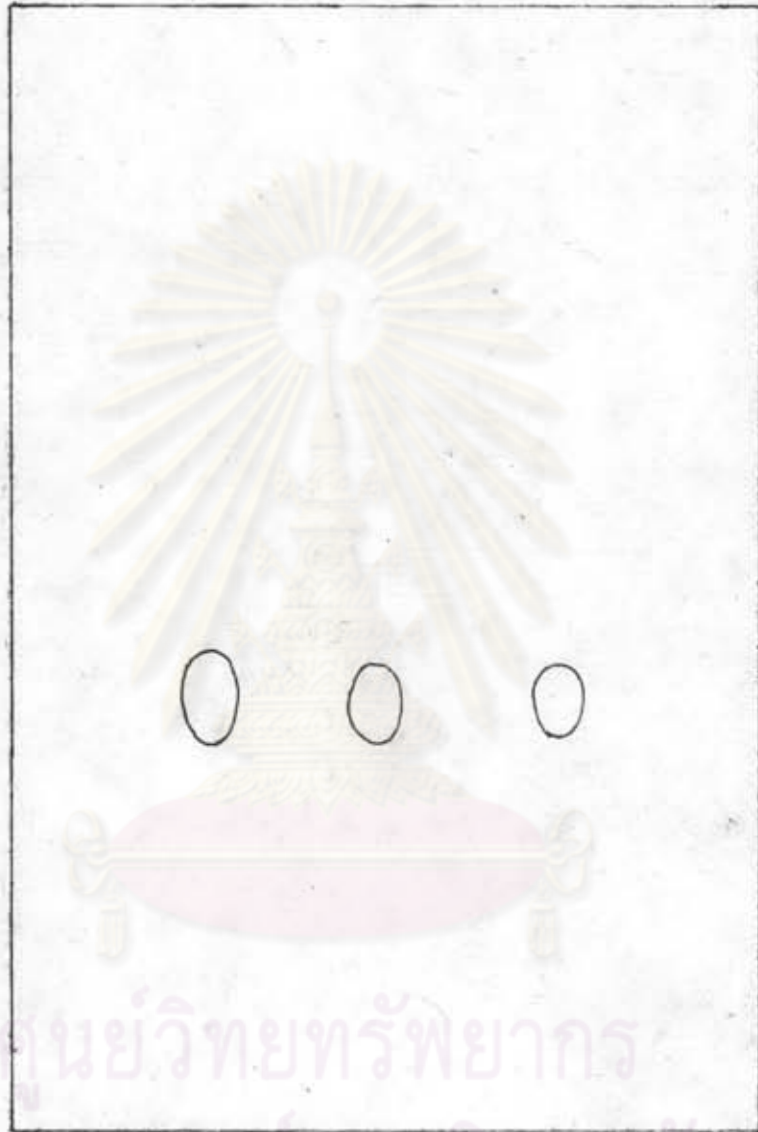


Figure 15. Thin layer chromatogram of alkaloid KS_1

Alumina (G + GF) / chloroform : methanol (98 : 2)



Figure 16. Thin layer chromatogram of alkaloid KS_1

Alumina (G + GF) / benzene : chloroform (1 : 9)



Figure 17. Thin layer chromatogram of alkaloid KS_1

Alumina (G + GF) / ether + ethanol + diethylamine (98 + 1.5 + 0.3)



Figure 18. Thin layer chromatogram of alkaloid KS_1

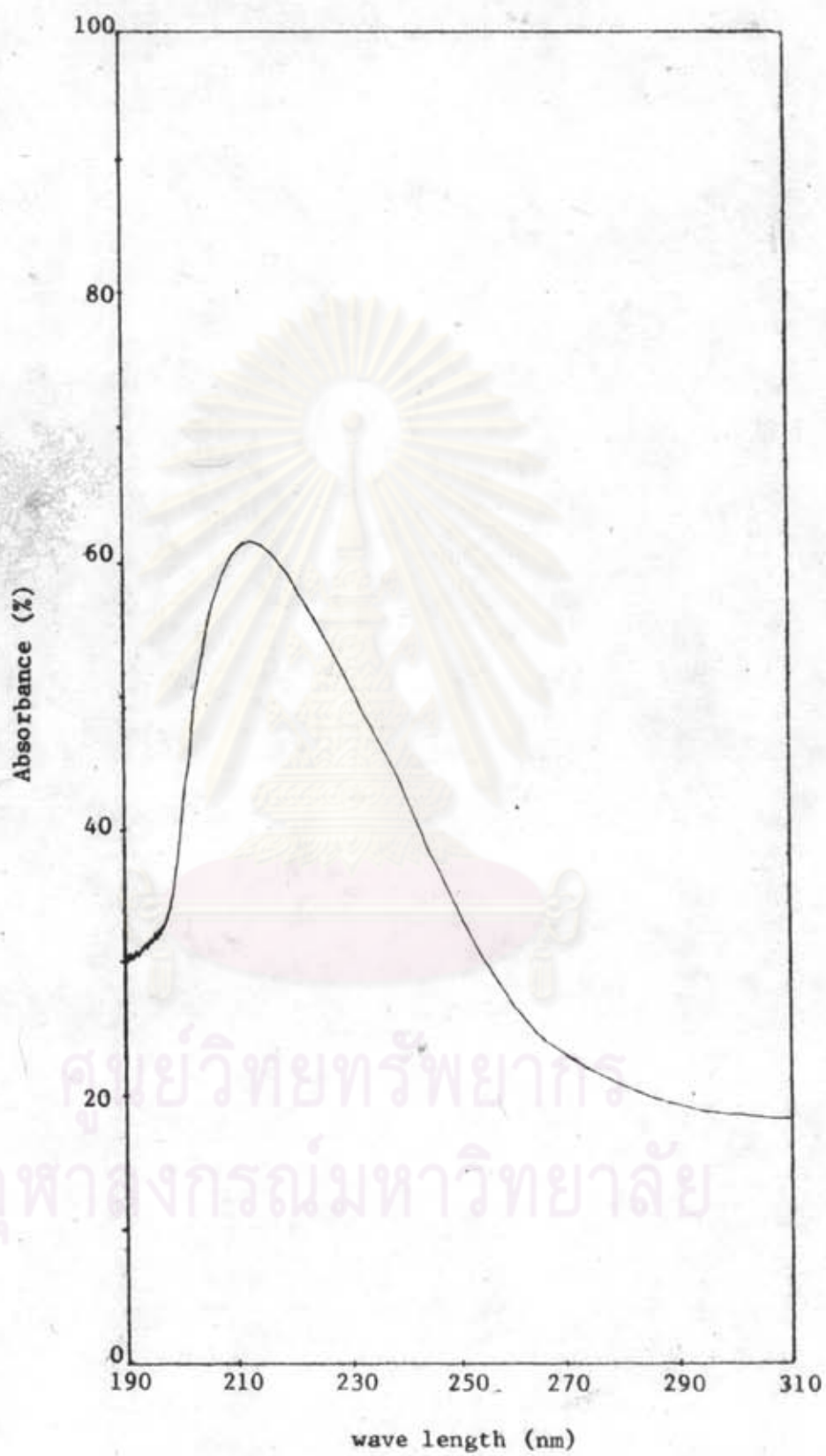


Figure 19. Ultraviolet absorption spectrum of alkaloid KS_1



Figure 20. Infrared absorption spectrum of alkaloid KS₁

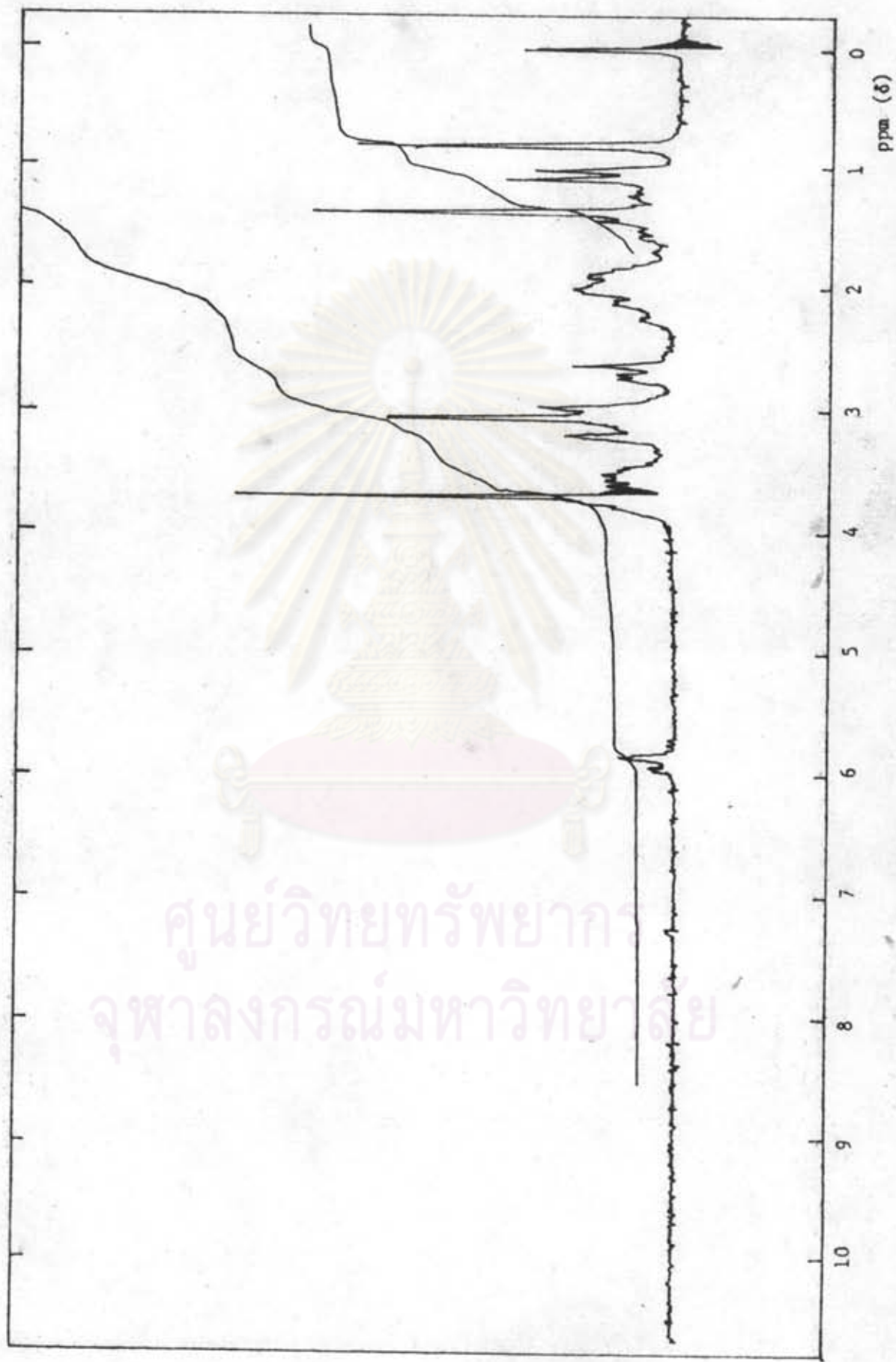


Figure 21. Nuclear magnetic resonance spectrum of alkaloid KS₁

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Figure 22. Mass spectrum of alkaloid KS₁

ศูนย์วิทยทรัพยากร
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VITA

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ศูนย์วิทยทรัพยากร
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