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**Appendices**

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**Figure 1** MALDI-MS spectrum of tryptic fragment of spot number C2a of 1D-SDS-PAGE

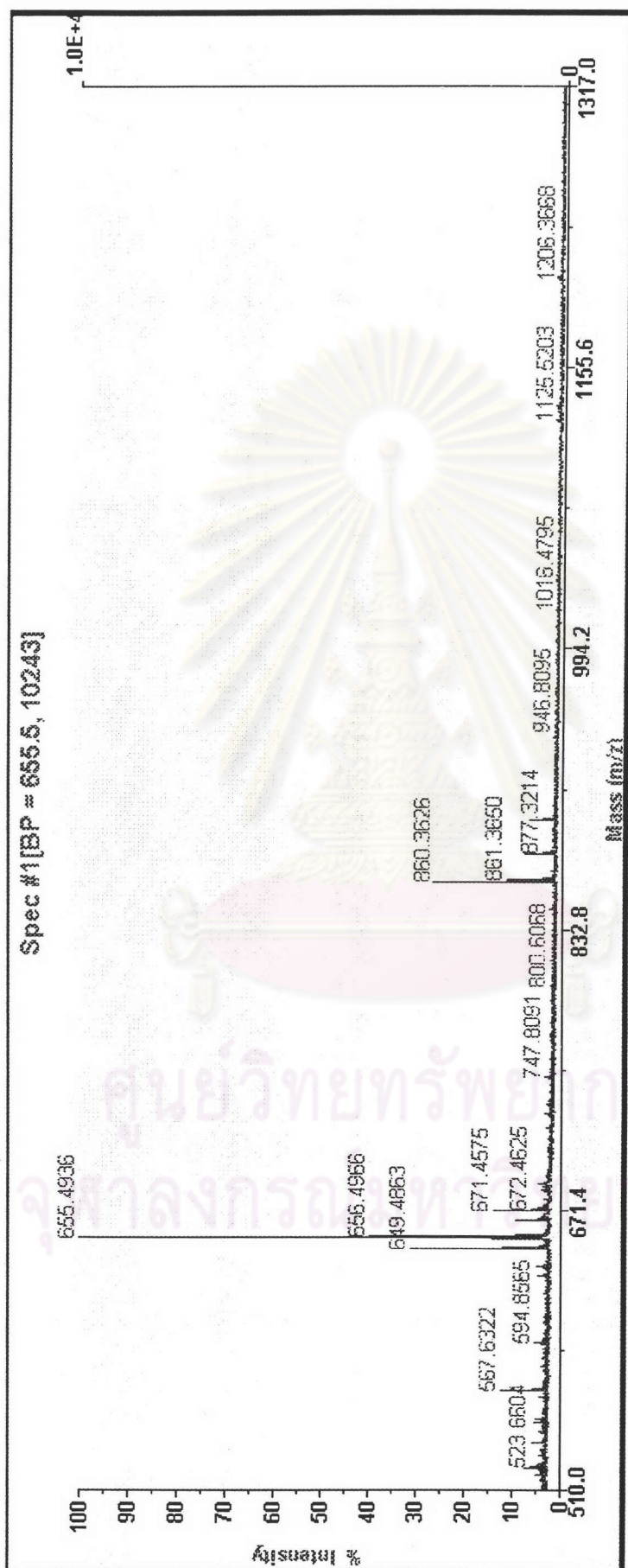


Figure 2 MALDI-MS spectrum of tryptic fragment of spot number C2a of 1D-SDS-PAGE



**Figure 3** MALDI-MS spectrum of tryptic fragment of spot number C2b of 1D-SDS-PAGE



Figure 4 MALDI-MS spectrum of tryptic fragment of spot number C1a of 1D-SDS-PAGE





Figure 5 MALDI-MS spectrum of tryptic fragment of spot number C1a of 1D-SDS-PAGE



Figure 6 MALDI-MS spectrum of tryptic fragment of spot number A1 of 1D-SDS-PAGE

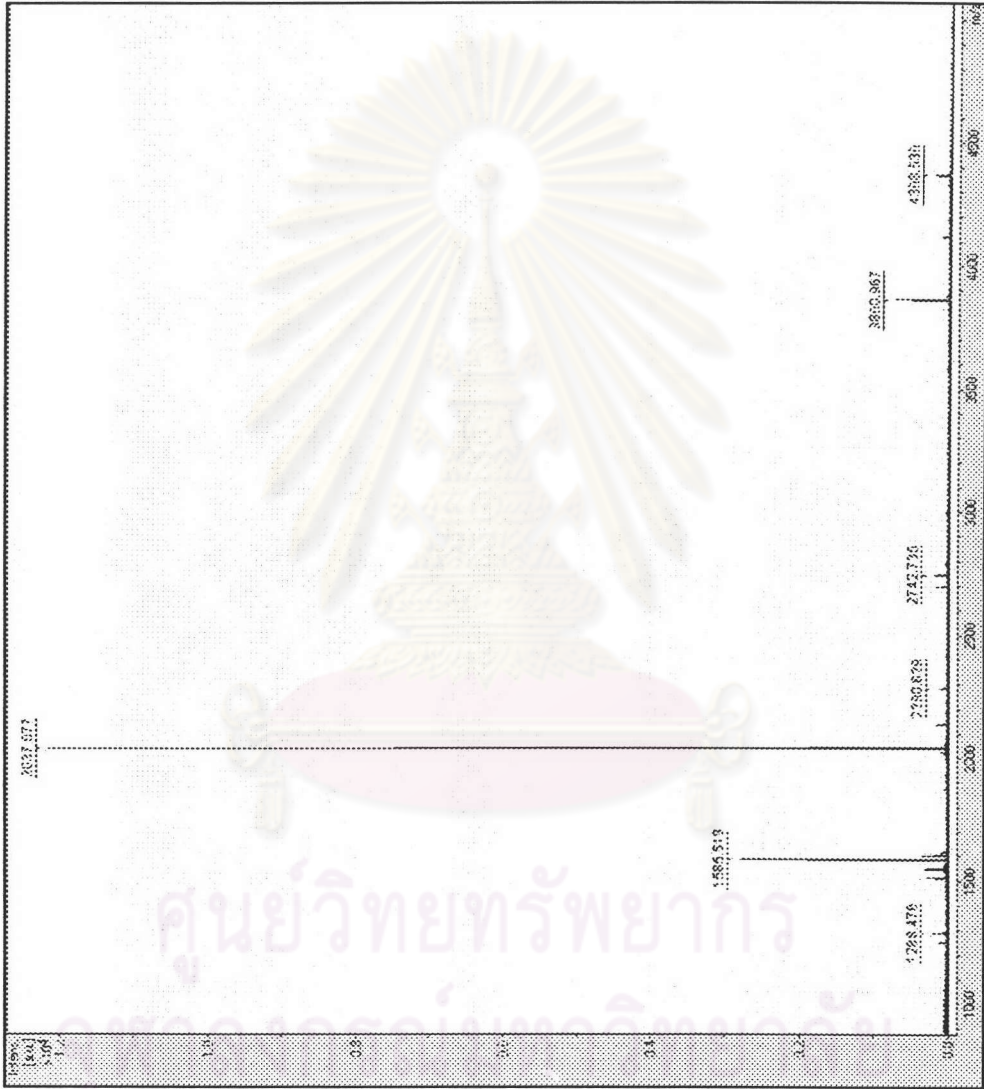
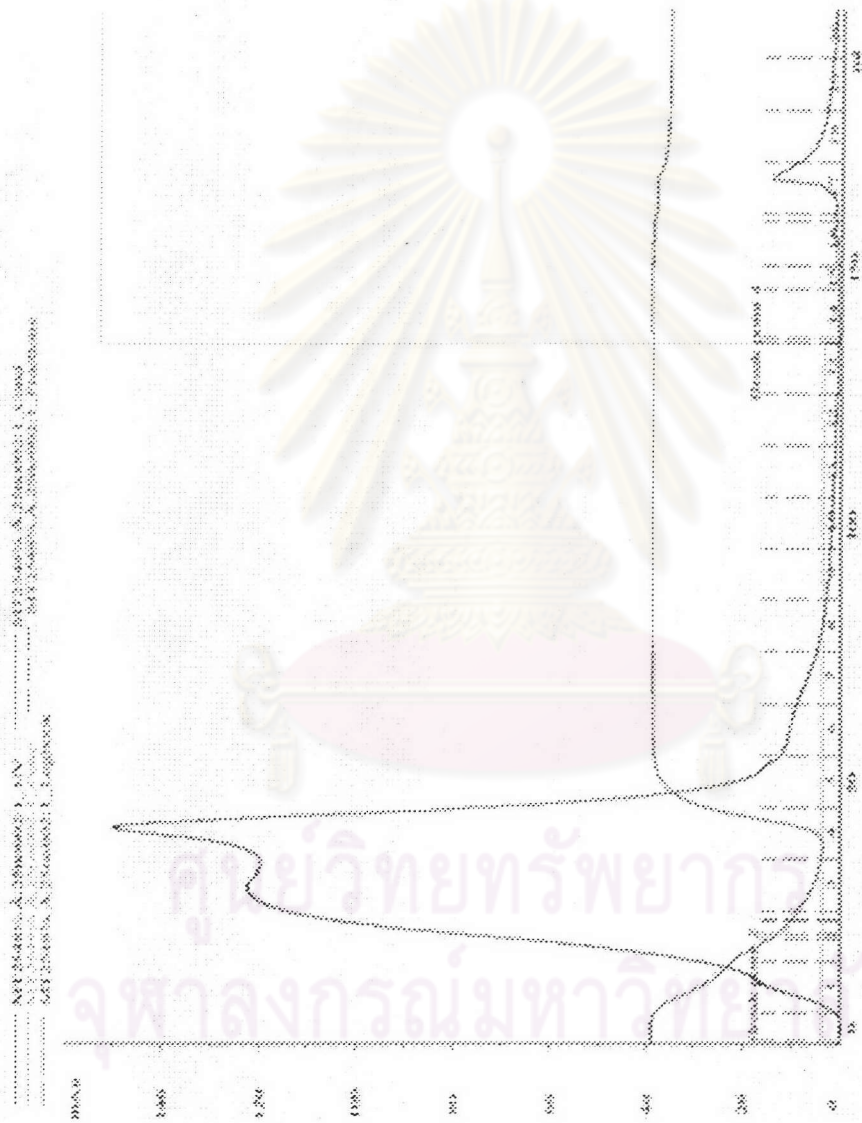


Figure 7 MALDI-MS spectrum of tryptic fragment of spot number A2 of 1D-SDS-PAGE



**Figure 8** Affinity chromatography of crude protein from *Parkia speciosa* on the Con A sepharose column (1.6x5cm), Flow rate 1.5 ml/min. The equilibration buffer was 20 mM Tris-HCl pH 7.4 containing with 0.5 M NaCl, 1mM CaCl<sub>2</sub> 2H<sub>2</sub>O, 1mM MnCl<sub>2</sub>. The eluted lectin buffer was 20 mM Tris-HCl pH 7.4 containing with 0.1-0.5 M Methyl- $\alpha$ -D-manopyranoside.





**Figure9** Gel filtration chromatography of crude proteins on the Superdex 200 column (1.6 x 60cm) in double distilled water, flow rate 0.5 ml/min.



**Figure 10** Superdex 75 gel filtration chromatogram of A2 from affi-gel blue gel chromatography





**Figure 11** Superdex 75 gel filtration chromatogram of A2 from affi-gel blue gel chromatography





Figure 12 Superdex 75 gel filtration chromatogram of A2 from affi-gel blue gel chromatogram





**Figure 13** Superdex 75 gel filtration chromatogram of A2 from affi-gel blue gel chromatography

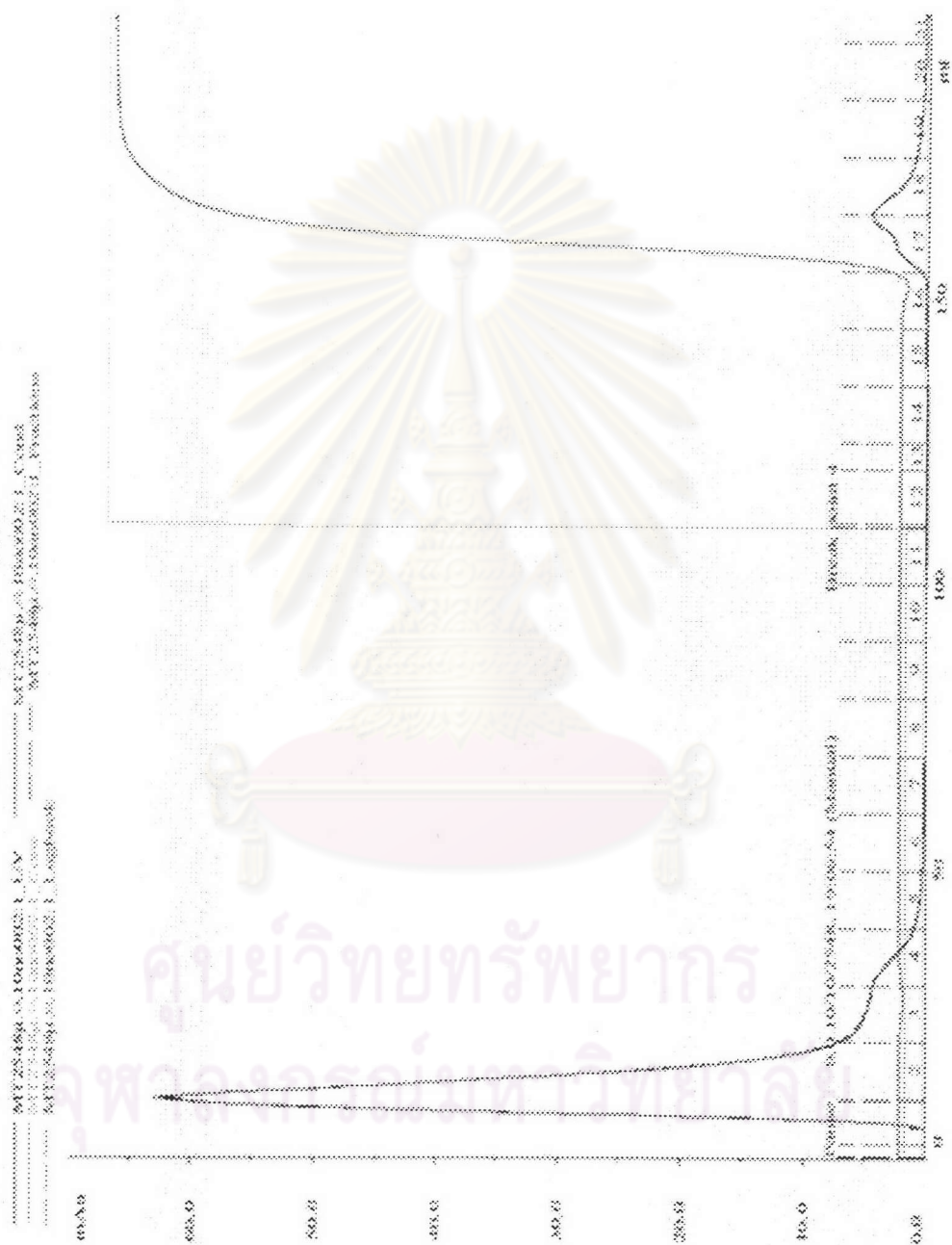


Figure 14 Affi-gel blue gel affinity chromatogram of crude of *Parkia speciosa*

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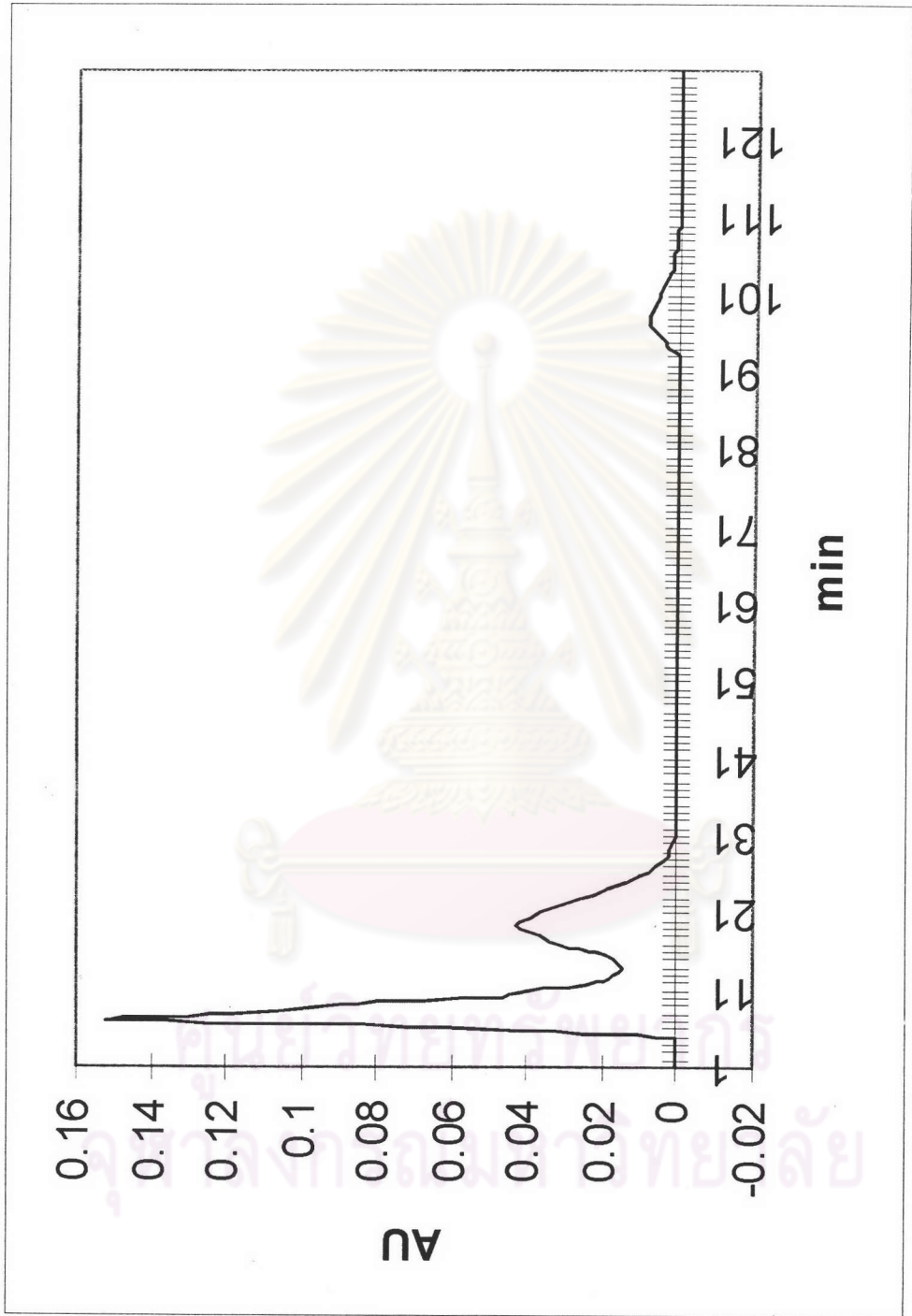


Figure 15 Affi-gel blue gel affinity chromatogram of crude of *Parkia speciosa*



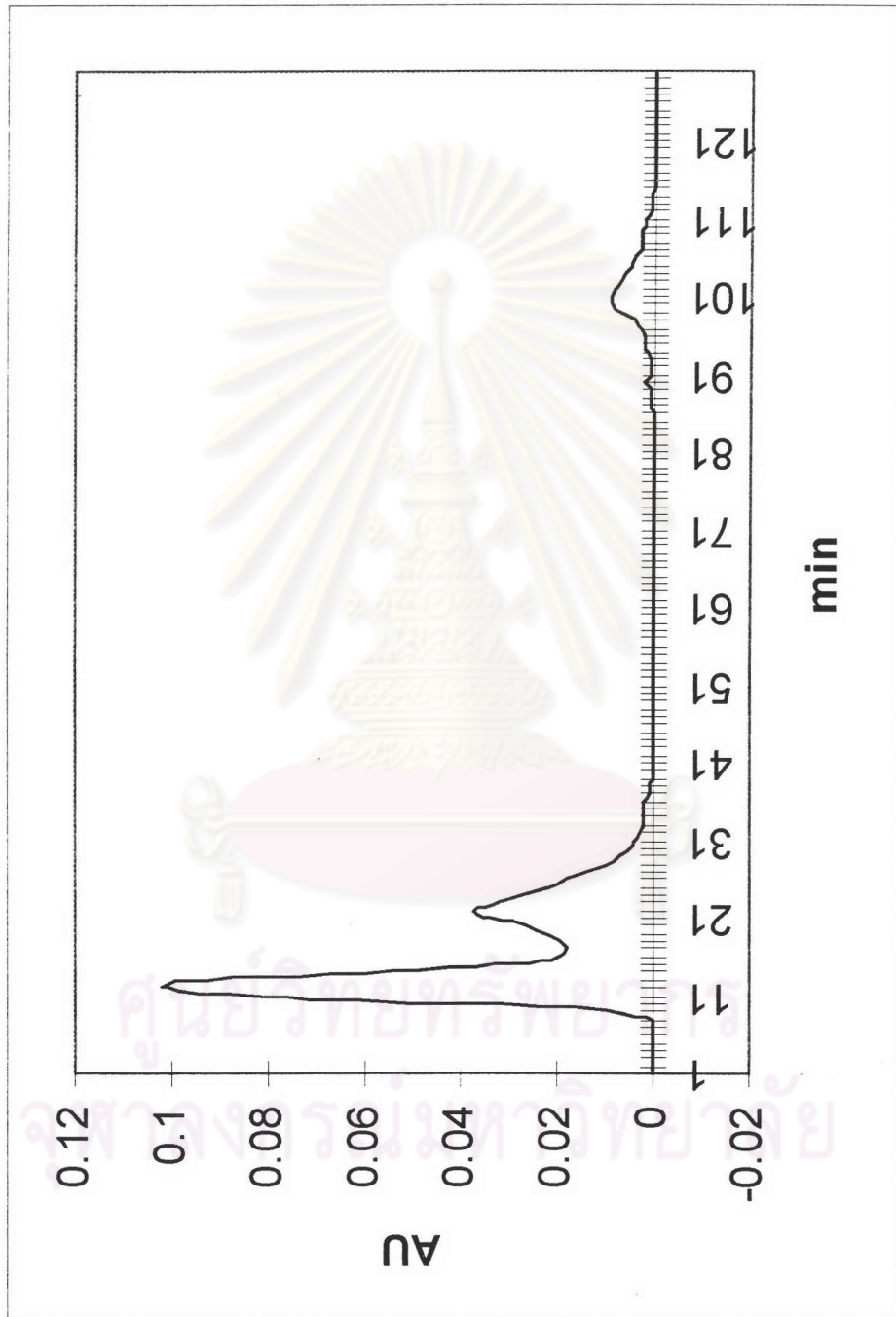


Figure 16 Affi-gel blue gel affinity chromatogram of crude of *Parkia speciosa*



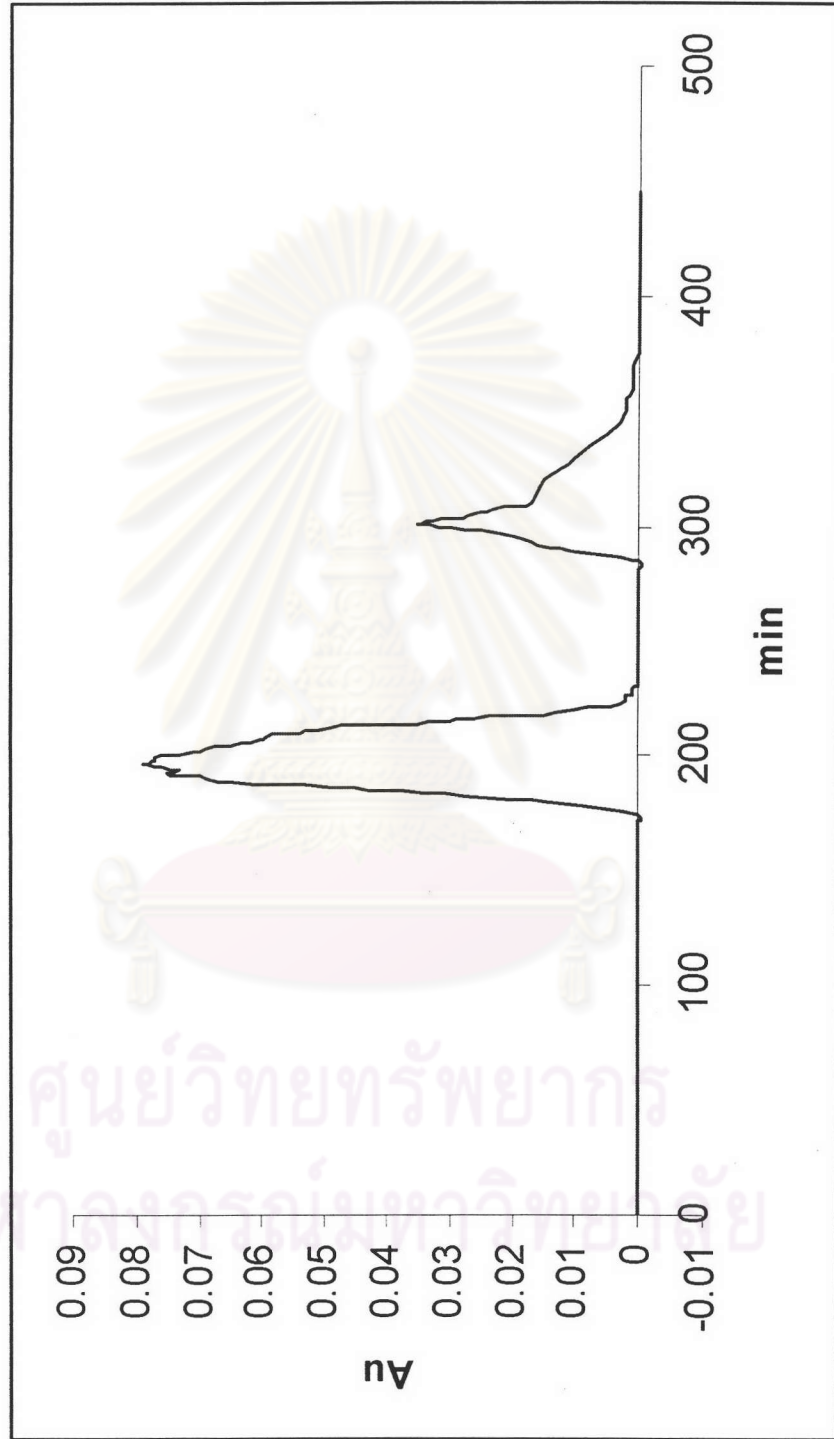


Figure 17 Gel filtration chromatogram of A2 from affi-gel blue gel chromatography

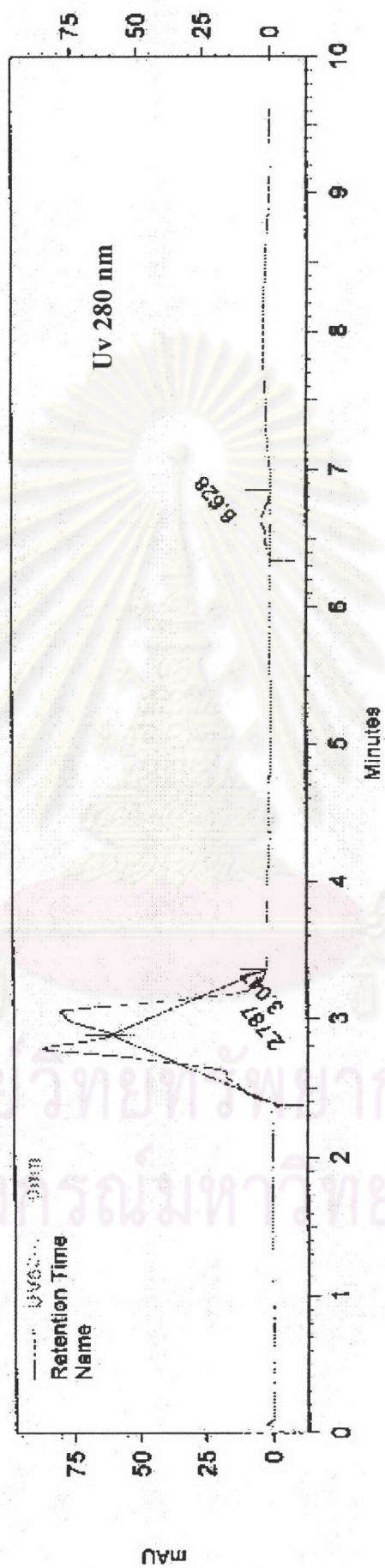


Figure 18 Chromatogram of Gi form HPLC mobile phase was ACN: water (80:20)

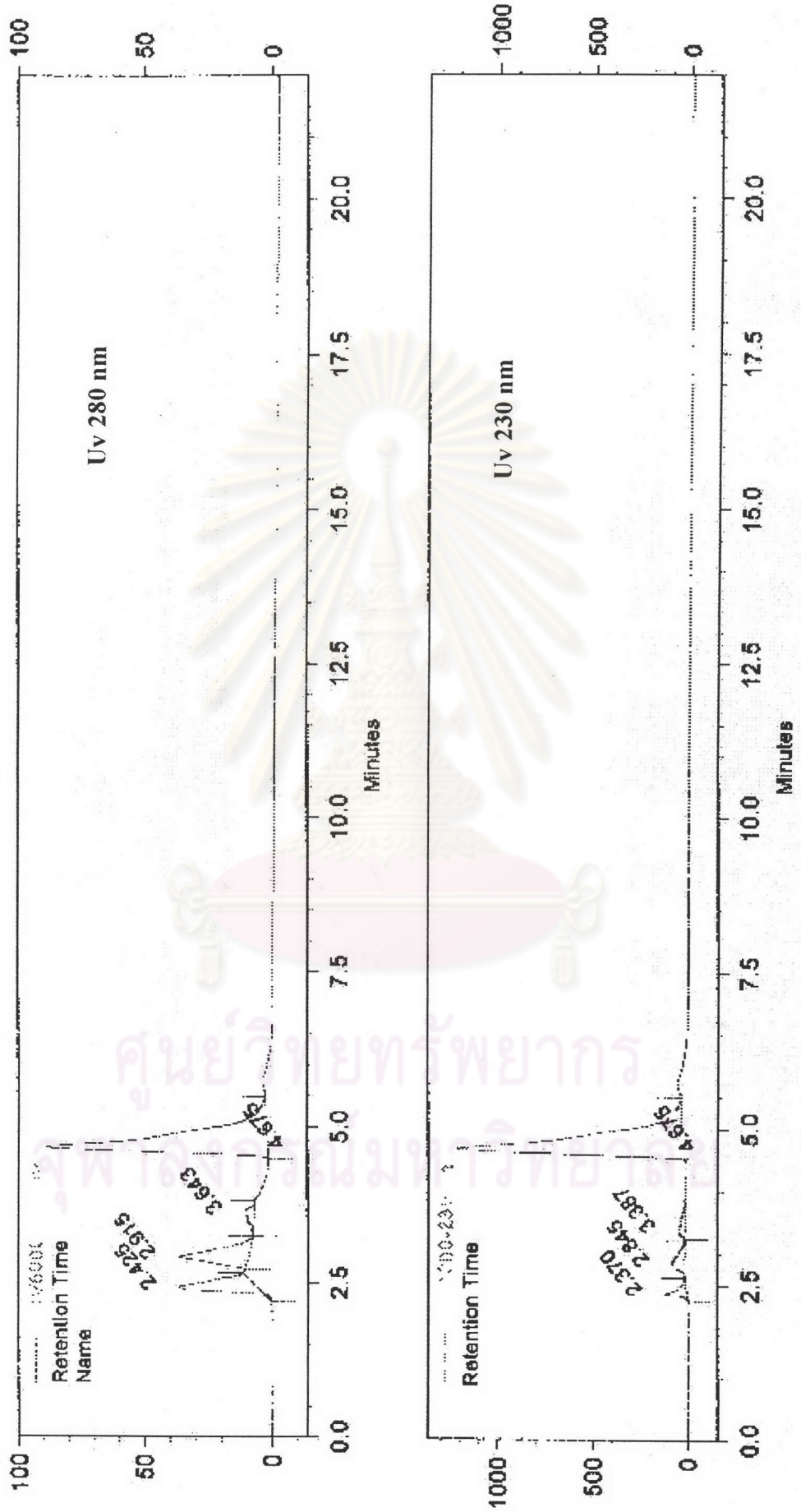


Figure 19 Chromatogram of Gi form HPLC mobile phase was ACN: water (40:60)



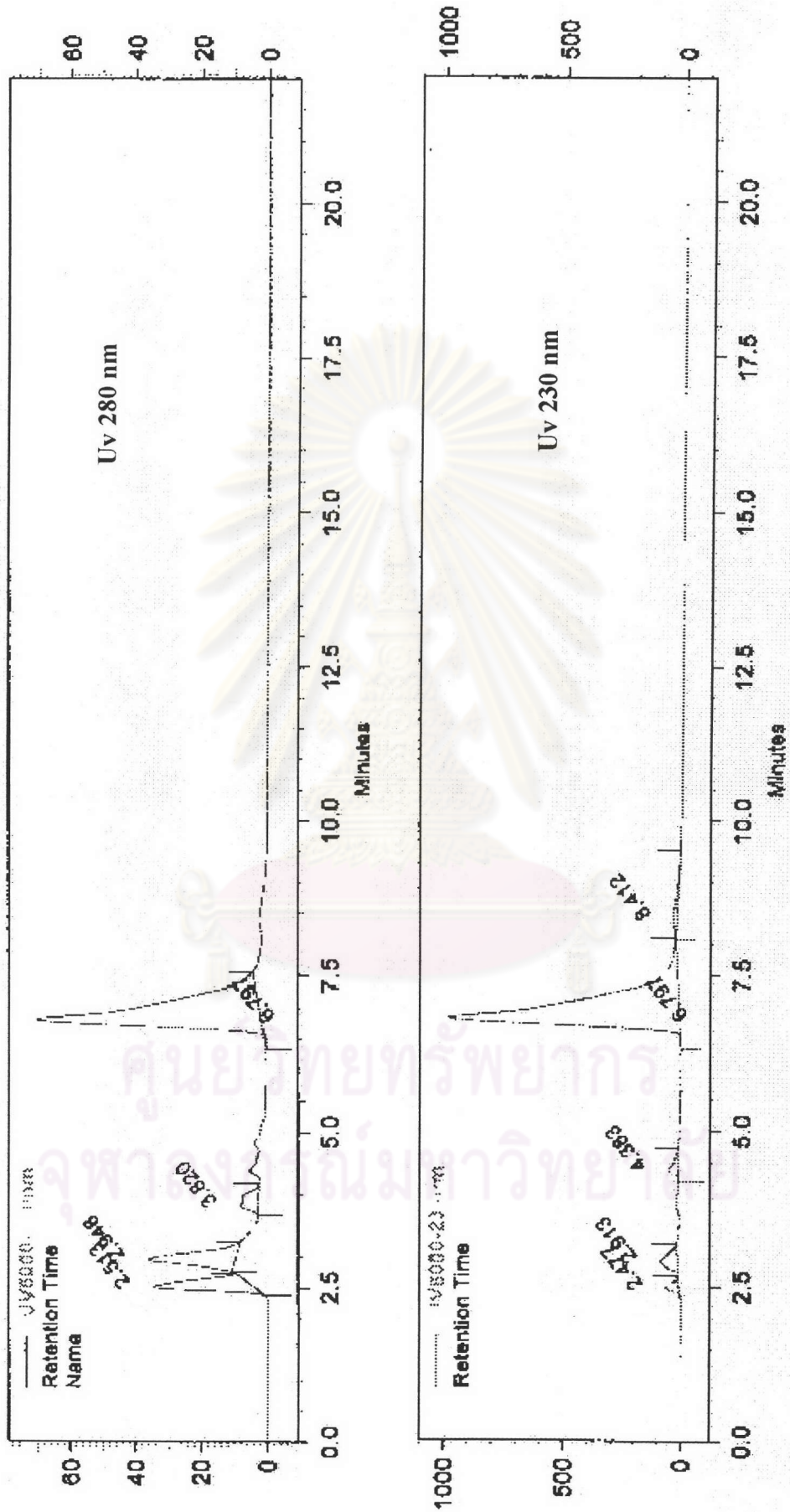


Figure 20 Chromatogram of Gi form HPLC mobile phase was ACN: water (30:70)

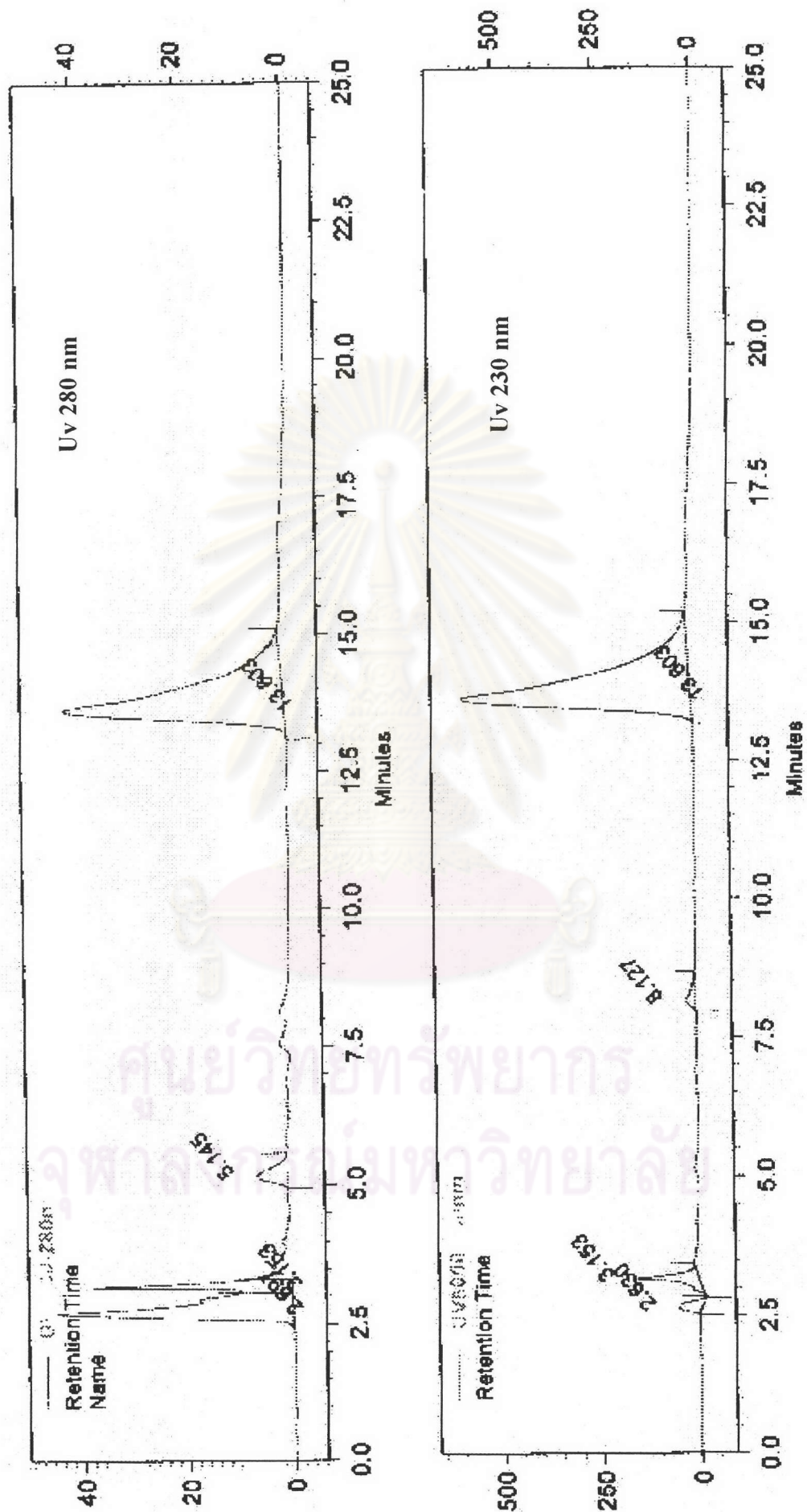


Figure 21 Chromatogram of Gi form HPLC mobile phase is ACN: water (20:80)

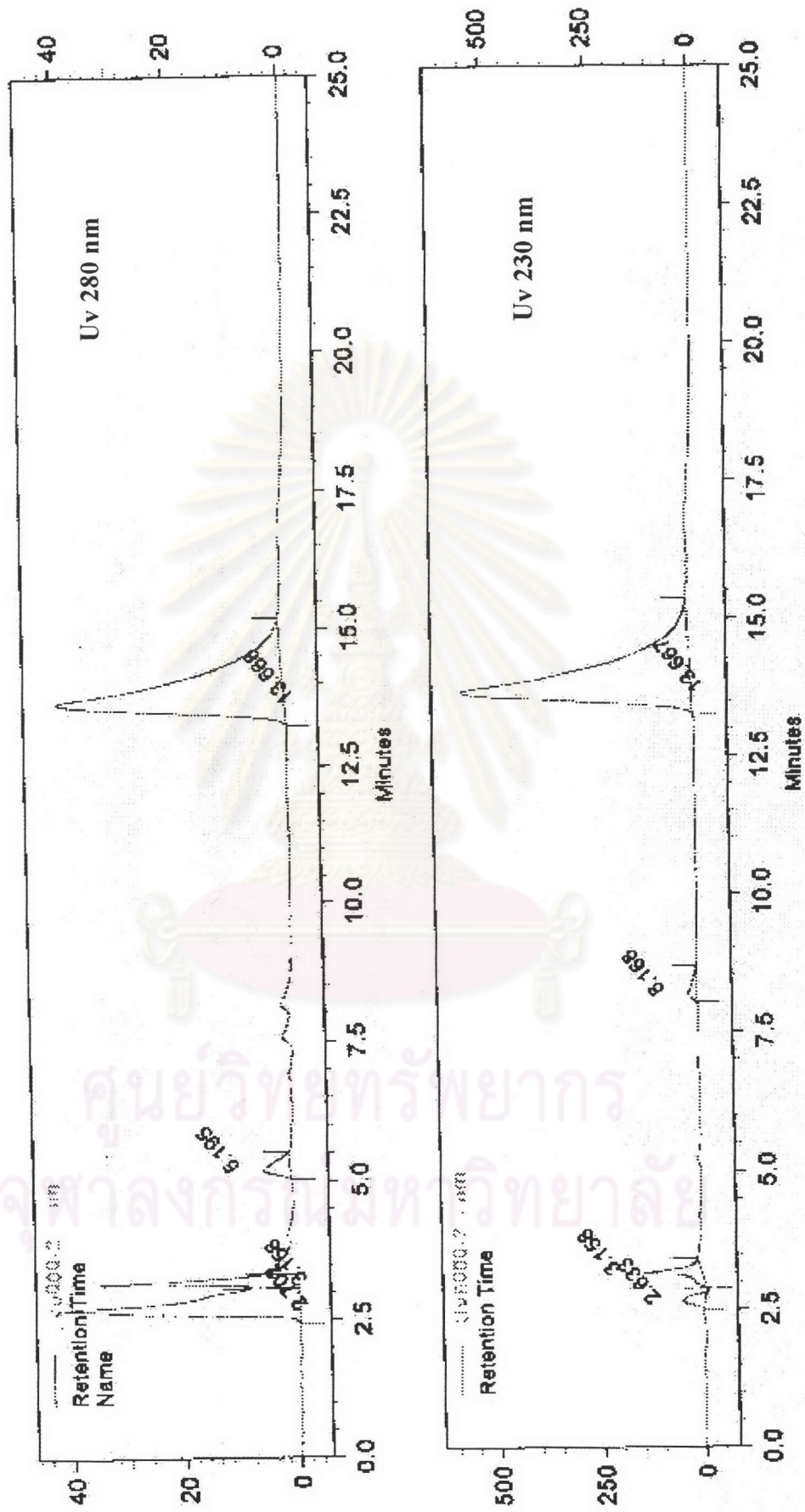


Figure 22 Chromatogram of Gi form HPLC mobile phase is ACN: water (20:80)



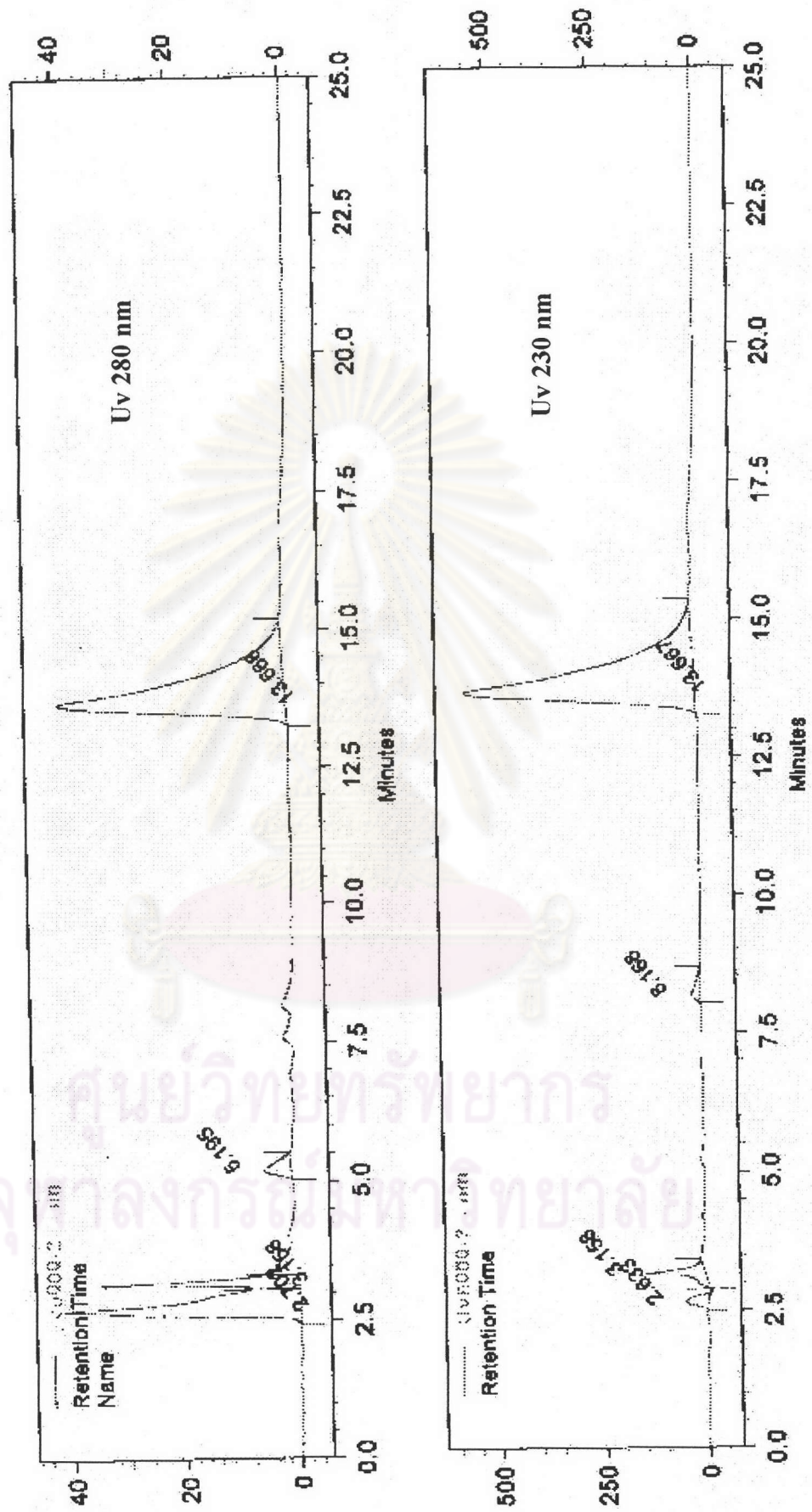


Figure 23 Chromatogram of Gi form HPLC mobile phase is ACN: water (20:80)

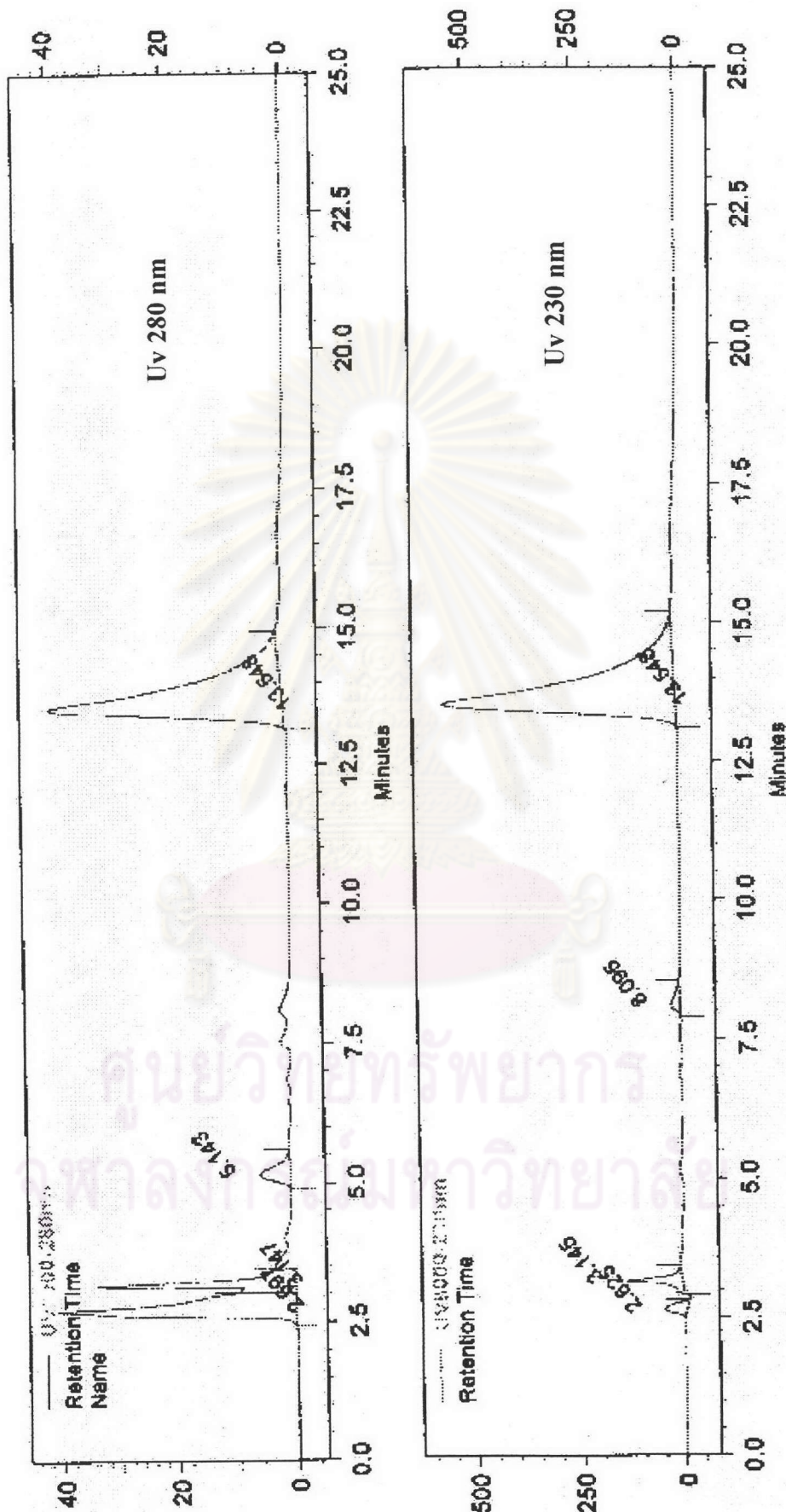


Figure 24 Chromatogram of Gi form HPLC mobile phase is ACN: water (20:80)

## VITA

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