APPENDIX

- FT-IR
- $^1$HNMR
- $^{13}$C NMR
- FAB MS/ ESI MS
FT-IR Spectra of chapter 2 compounds 5a, 5b and 5c
FTIR Spectra of chapter 2 compounds 5d, 5f and 5i.
$^1$H NMR Spectra of chapter 2 compounds 5a, 5b and 5c.
$^1$H NMR Spectra of chapter 2 compounds 5d, 5f and 5i.
$^{13}$C NMR Spectra of chapter 2 compounds 5a, 5b, and 5c.
FAB MASS Spectra of chapter 2 compounds 5a, 5b and 5c.
FTIR Spectra of chapter 3 compounds 5a, 5c, and 5f.
$^1$H NMR Spectra of chapter 3 compounds 5c, 5e and 5f.
$^{13}$C NMR Spectra of chapter 3 compounds 5a, 5e and 5f.
ESI MS Spectra of chapter 3 compounds 5a, 5e and 5f.
FTIR Spectra of chapter 4 compounds 7a, 7e and 7f.
$^\text{1H NMR Spectra of chapter 4 compounds 5c and 5f.}$

$^\text{13C NMR Spectra of chapter 4 compound 5f.}$
ESI MS spectra of chapter 4 compound 7a, 7c, and 7f.
$^{13}$C NMR Spectra of chapter 5 compounds 4i and 5i

$^1$H NMR Spectra of chapter 5 compound 5i
ESI MS spectra of chapter 5 compound 4i, 5h, and 5j.