

APPENDIX

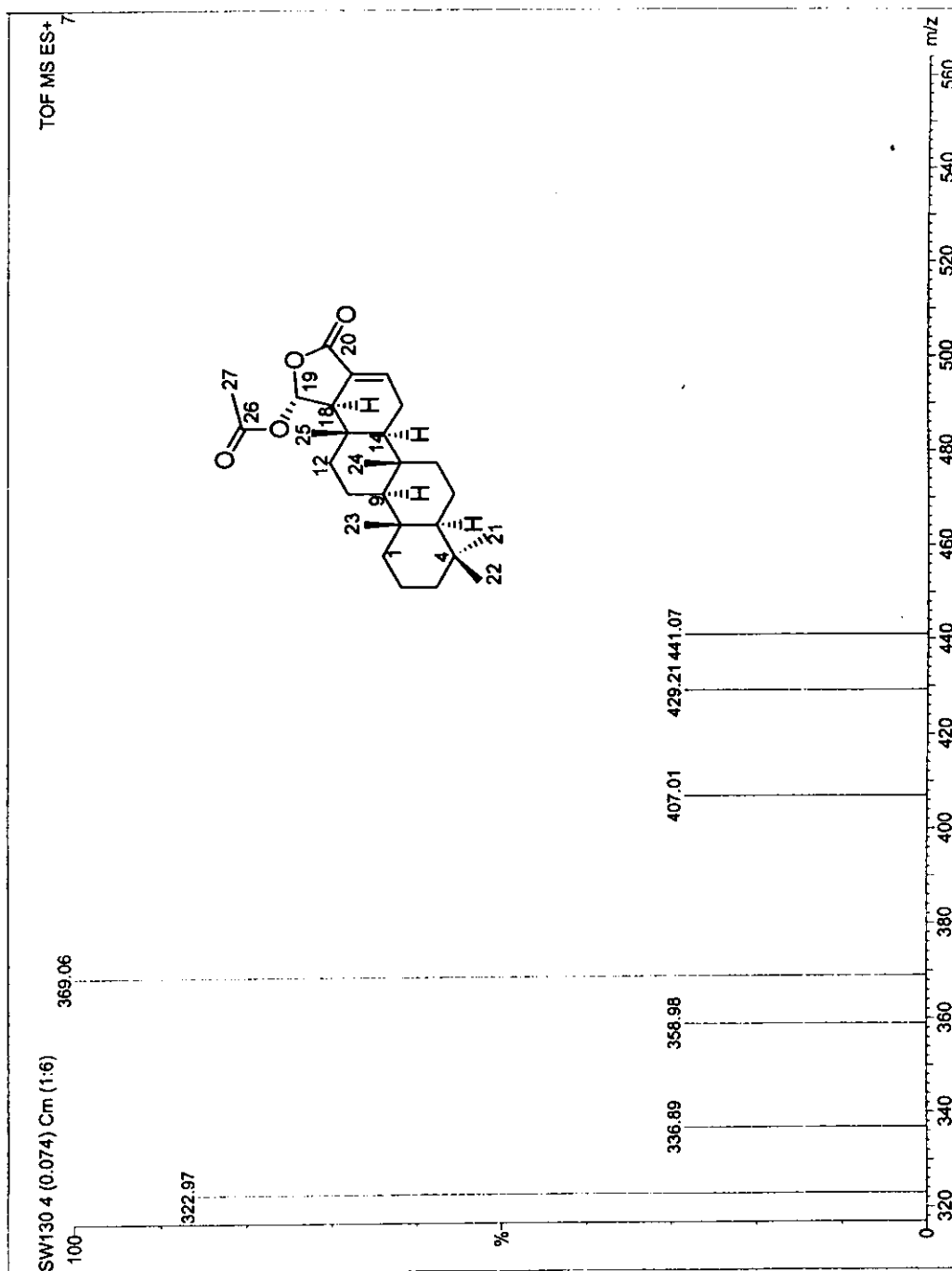


Figure 25 ESIMS spectrum of 40

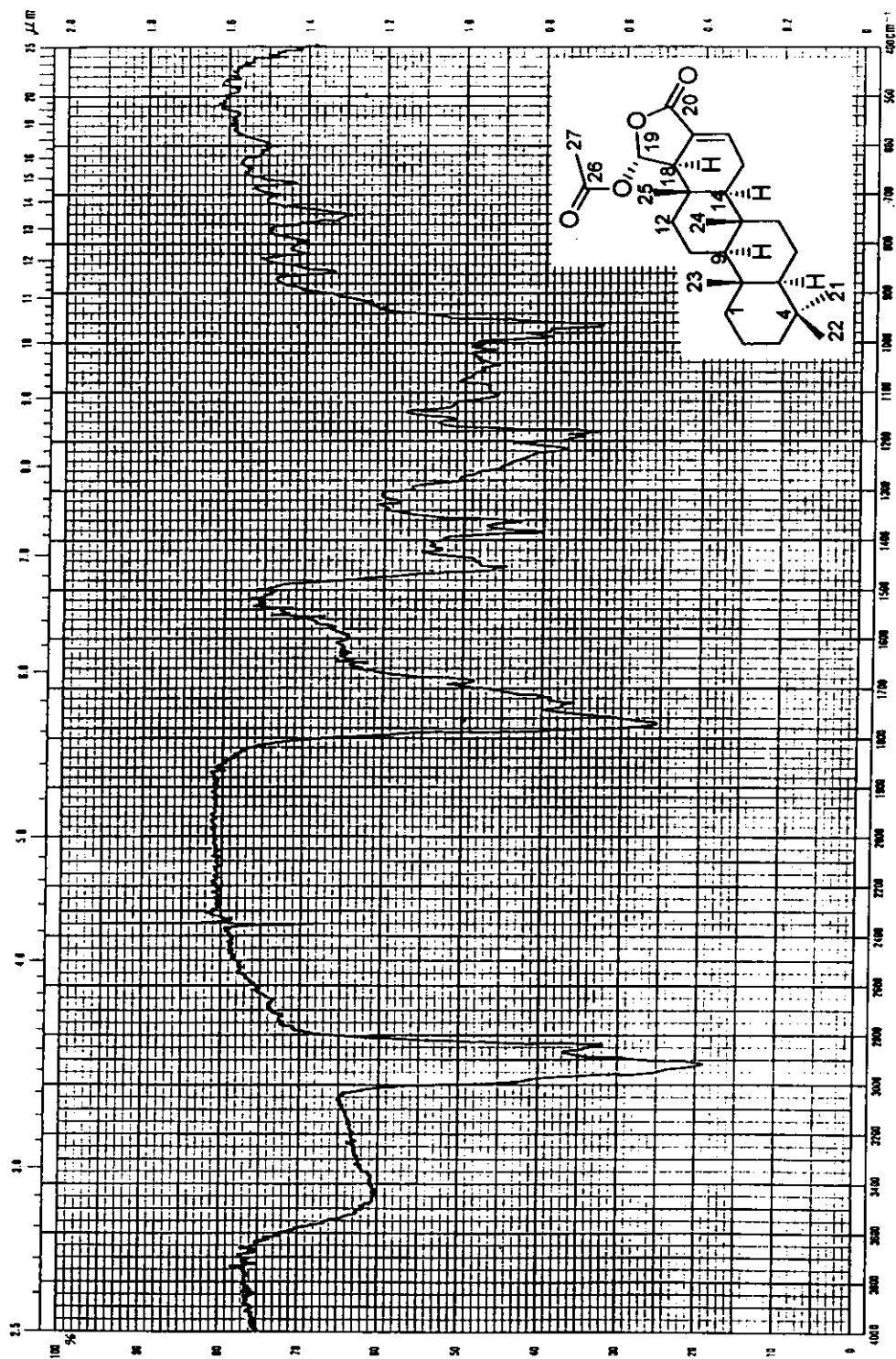


Figure 26 IR spectrum of 40 (thin film)

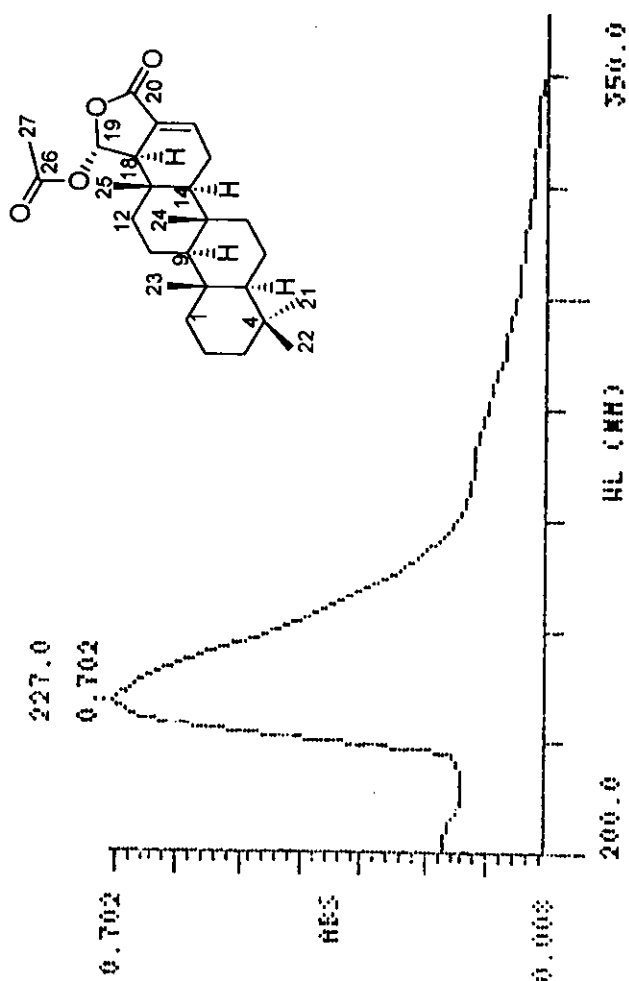
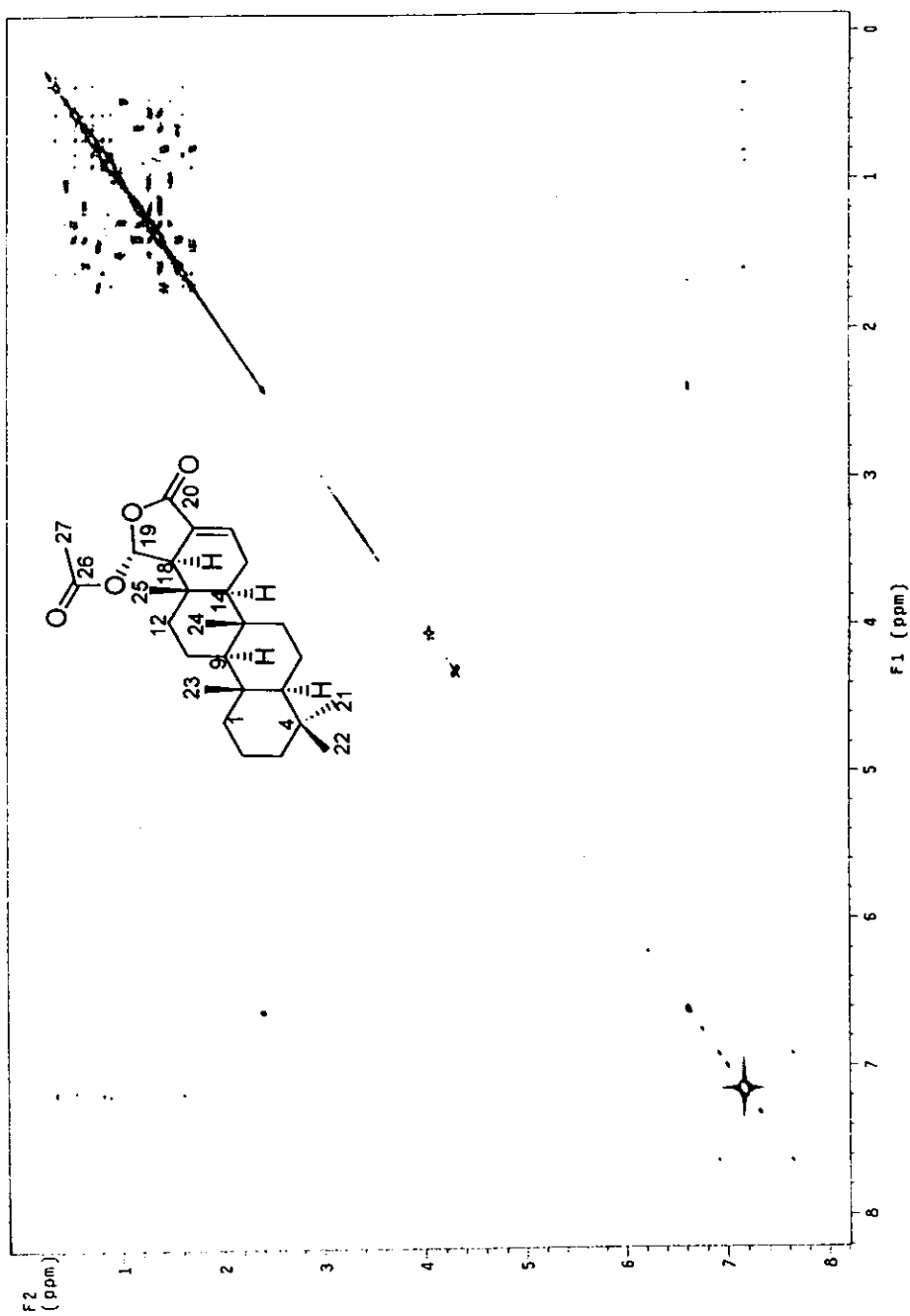
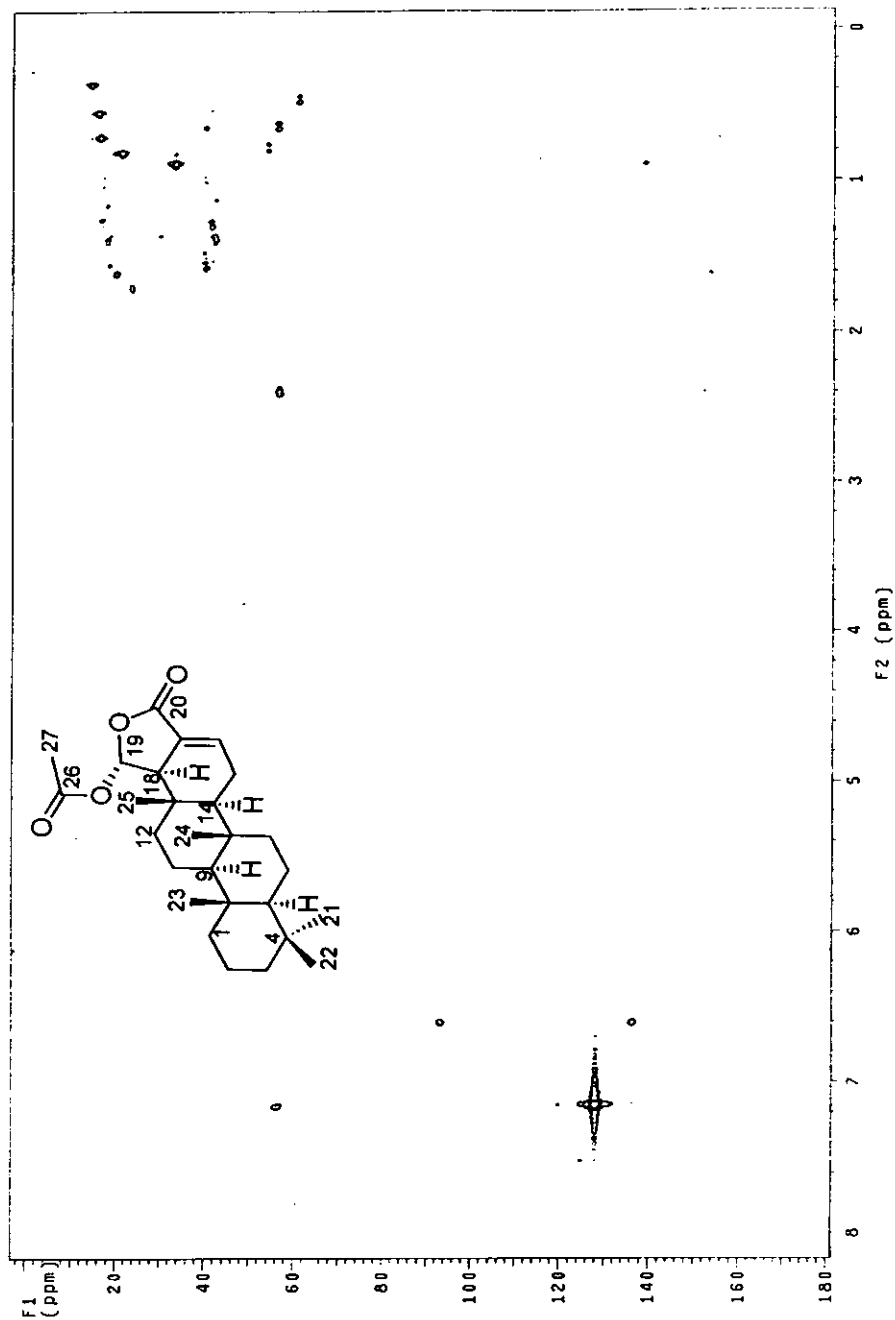
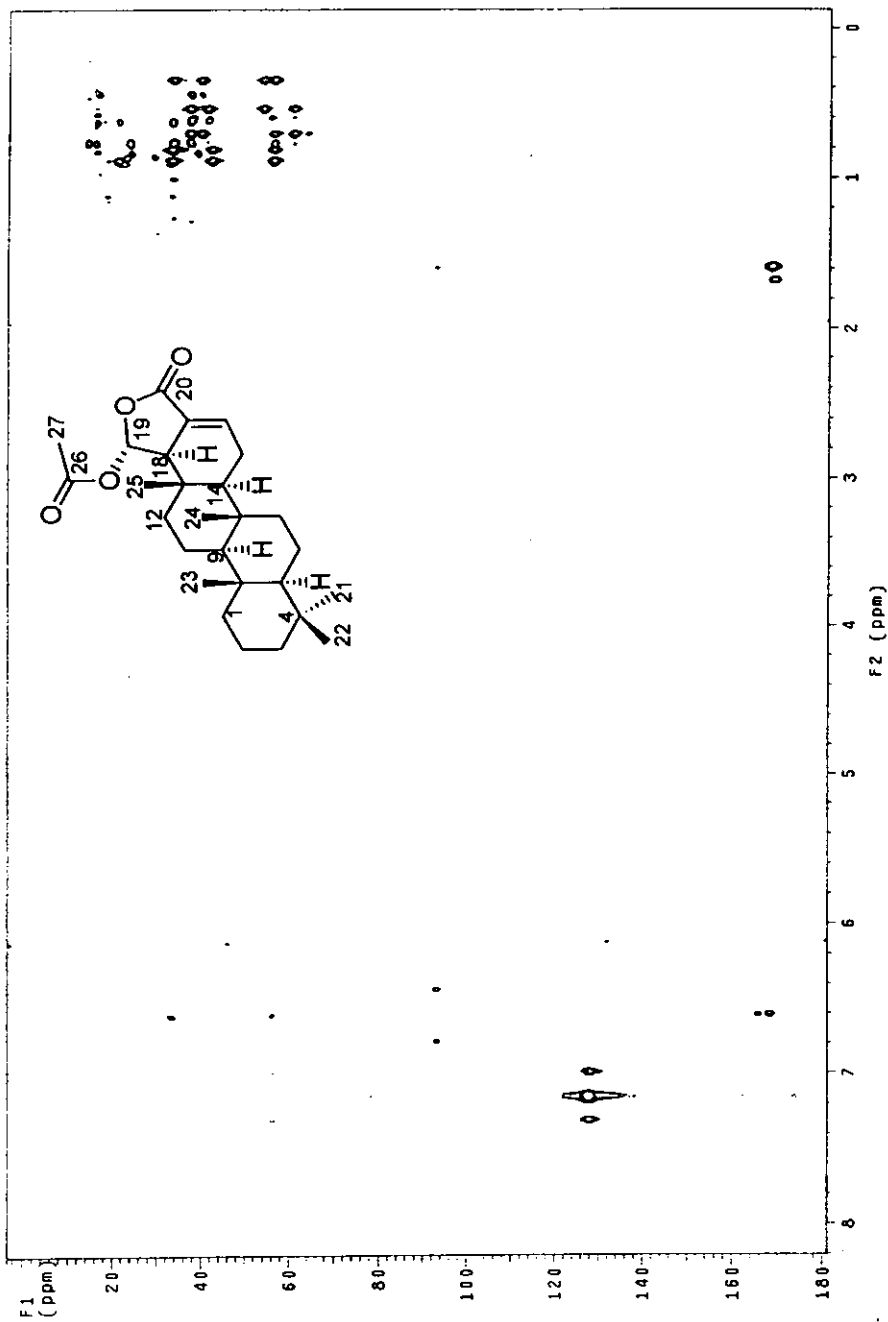
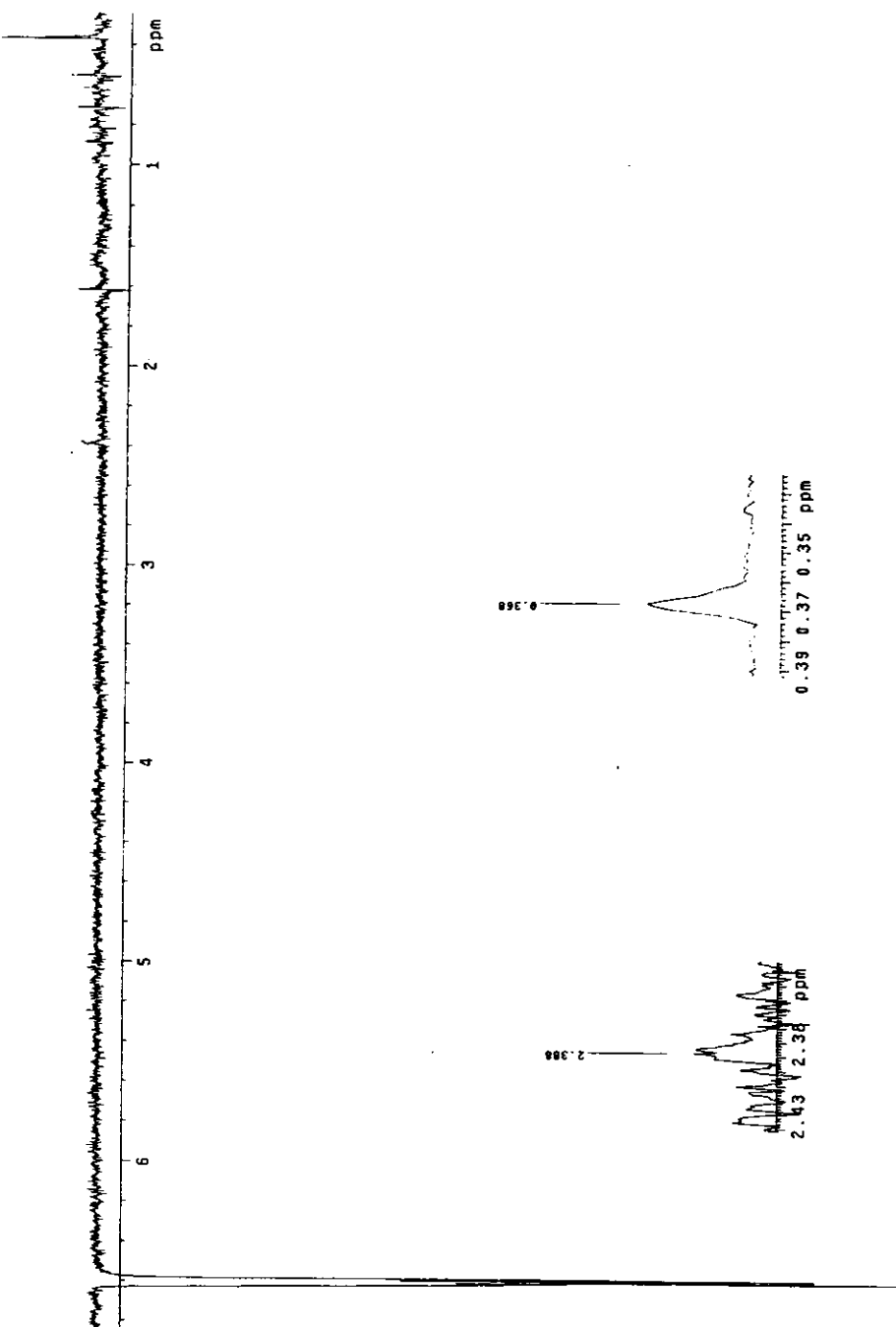


Figure 27 UV spectrum of 40 (MeOH)

Figure 28 ^1H - ^1H COSY spectrum of 40 (500 MHz; C_6D_6)

Figure 29 HMQC spectrum of **40** (500 MHz; C_6D_6)

Figure 30 HMBC spectrum of 40 (500 MHz; C_6D_6)

Figure 31 nOe difference spectrum of **40** after irradiation at δ_{H} 6.60 (H-19)

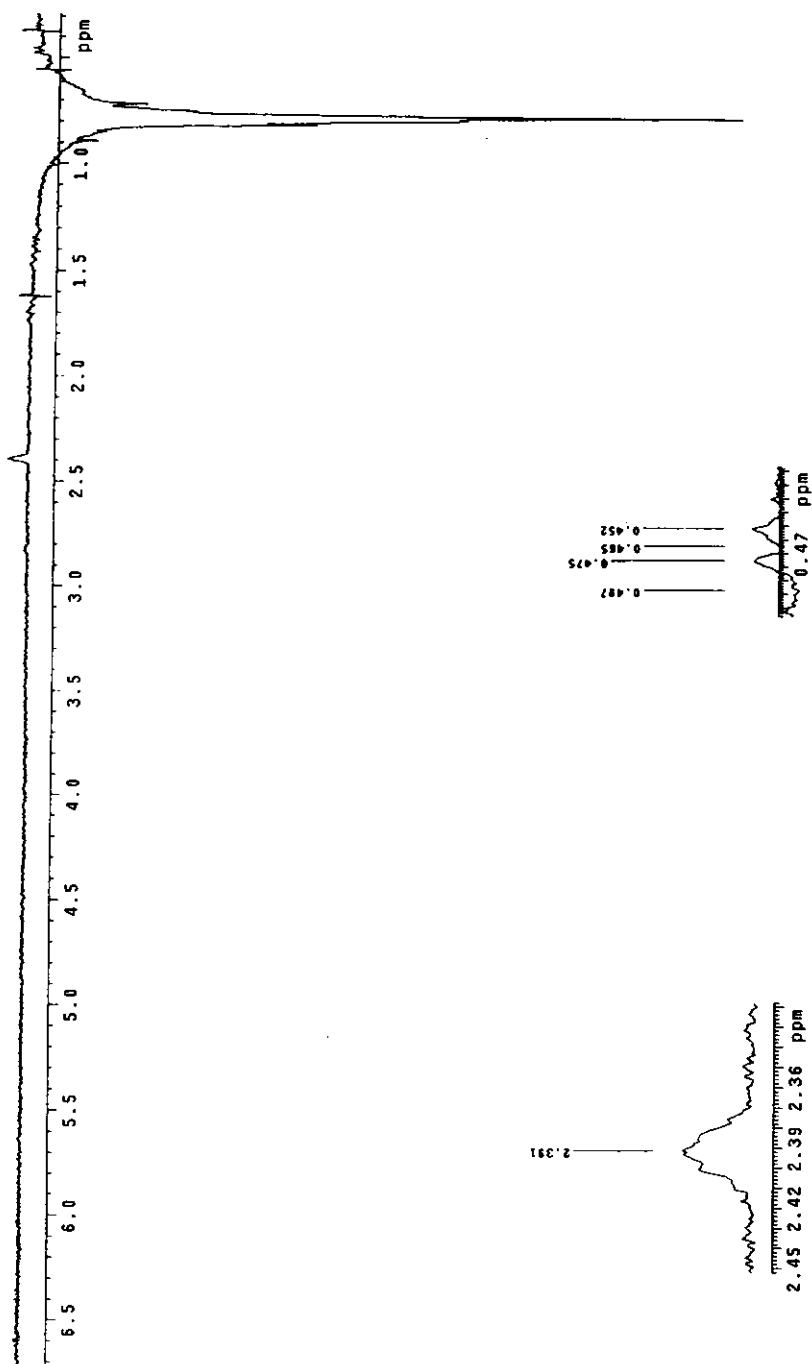


Figure 32 nOe difference spectrum of 40 after irradiation at δ_H 0.78 (H-14)

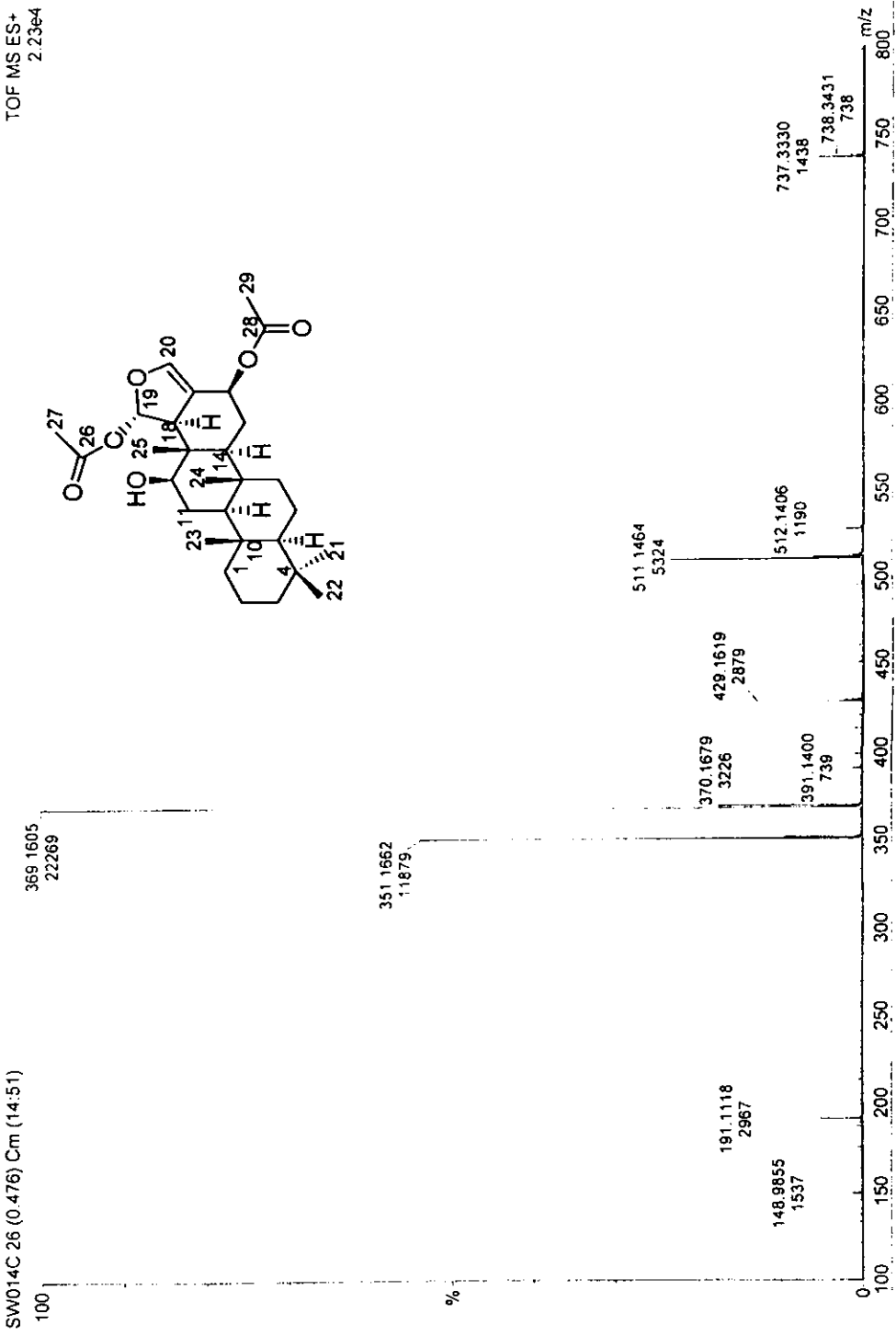
TOF MS ES+
2.2364

Figure 33 ESIMS spectrum of 18

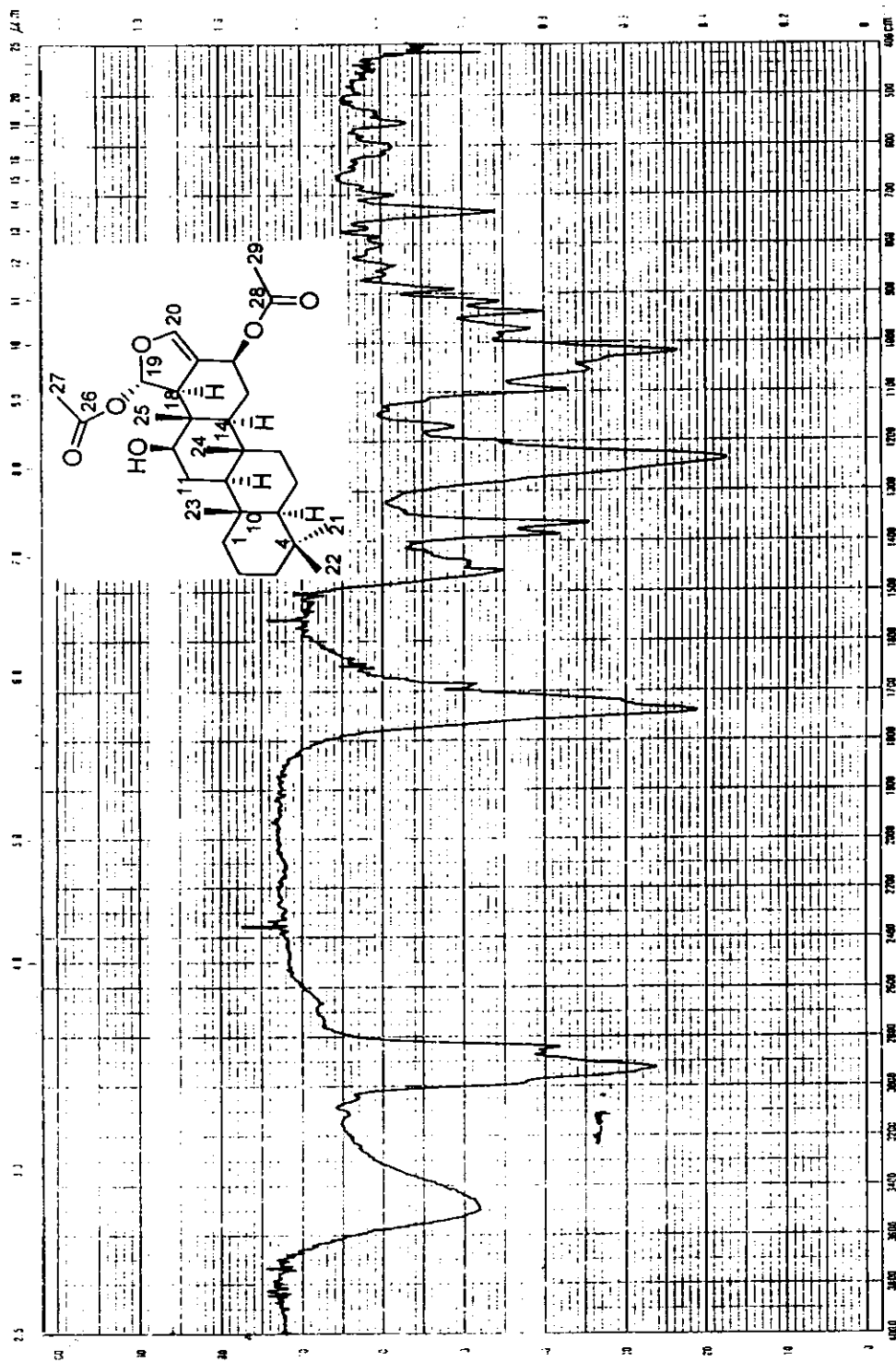


Figure 34 IR spectrum of 18 (thin film)

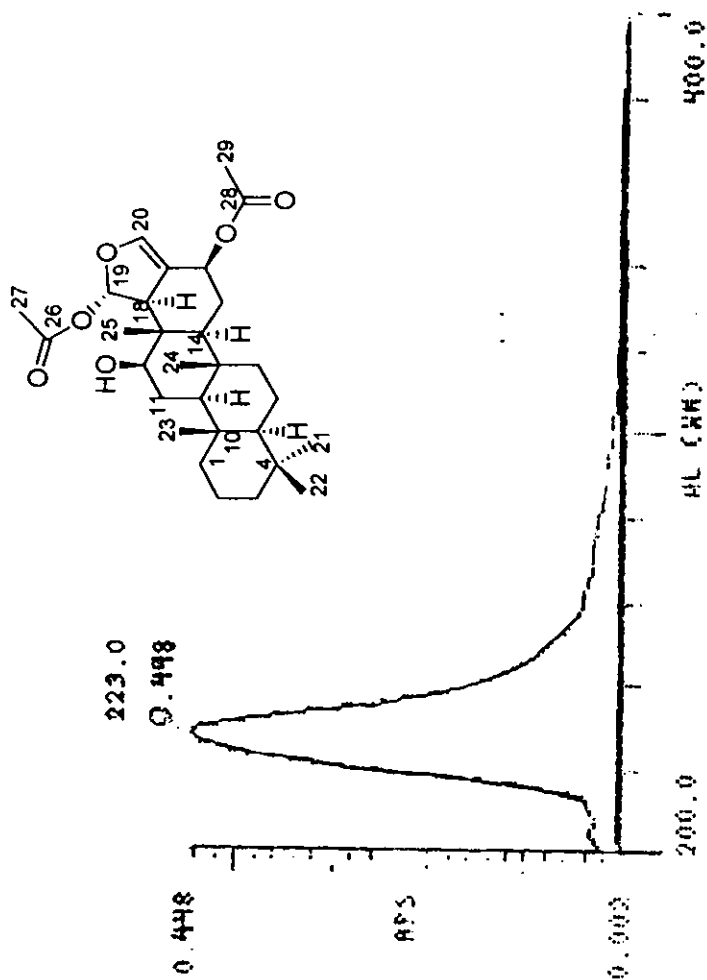
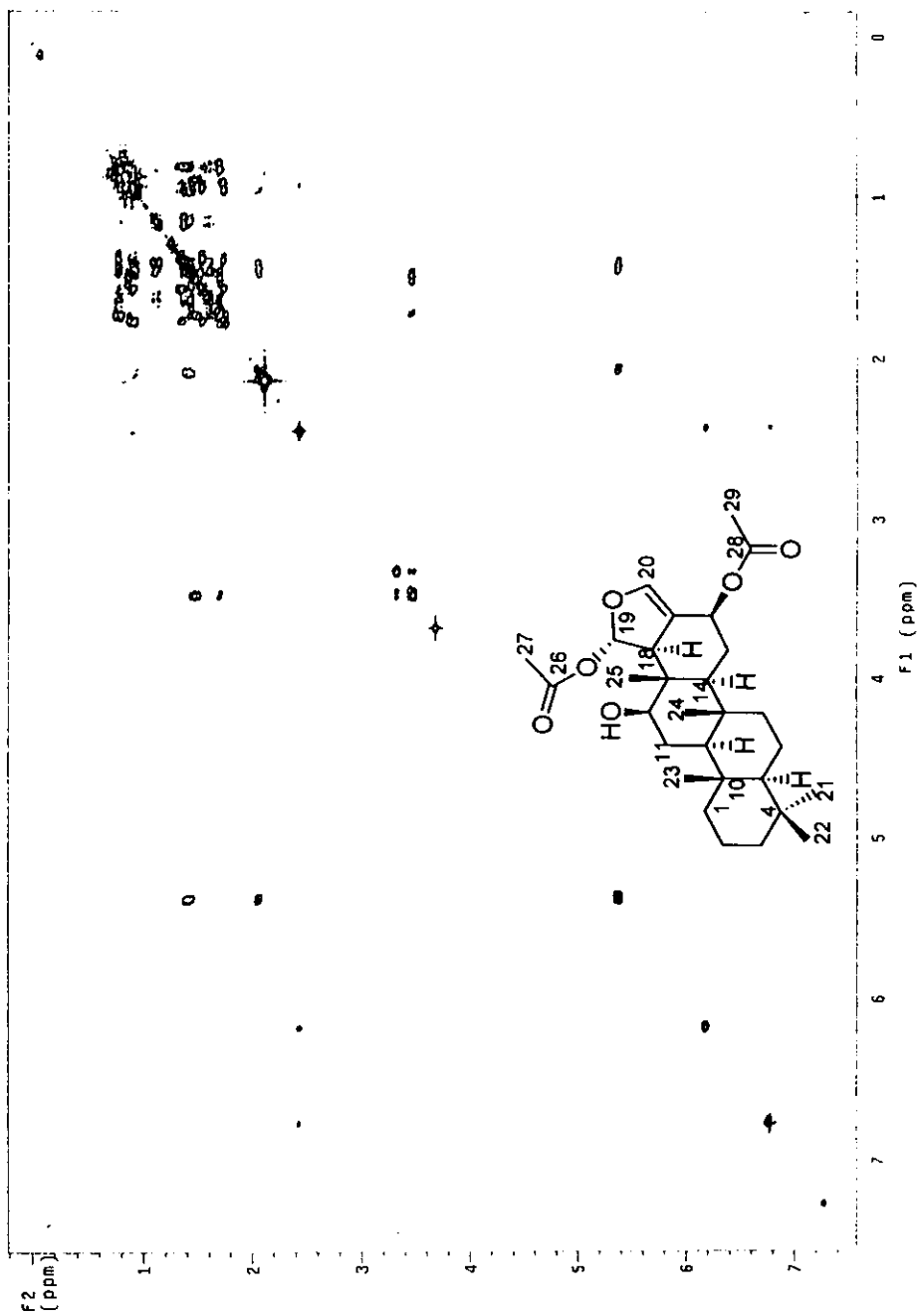
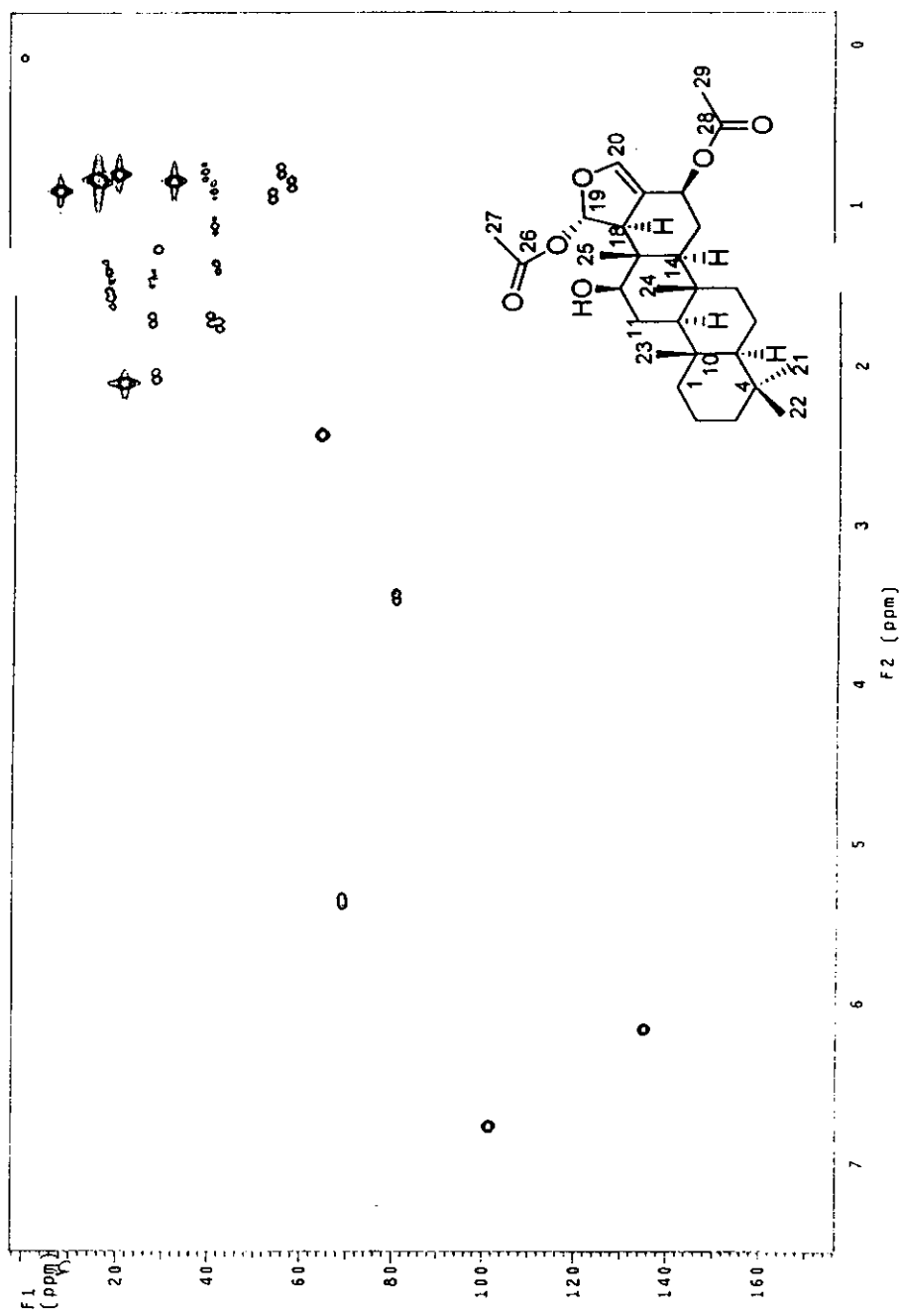
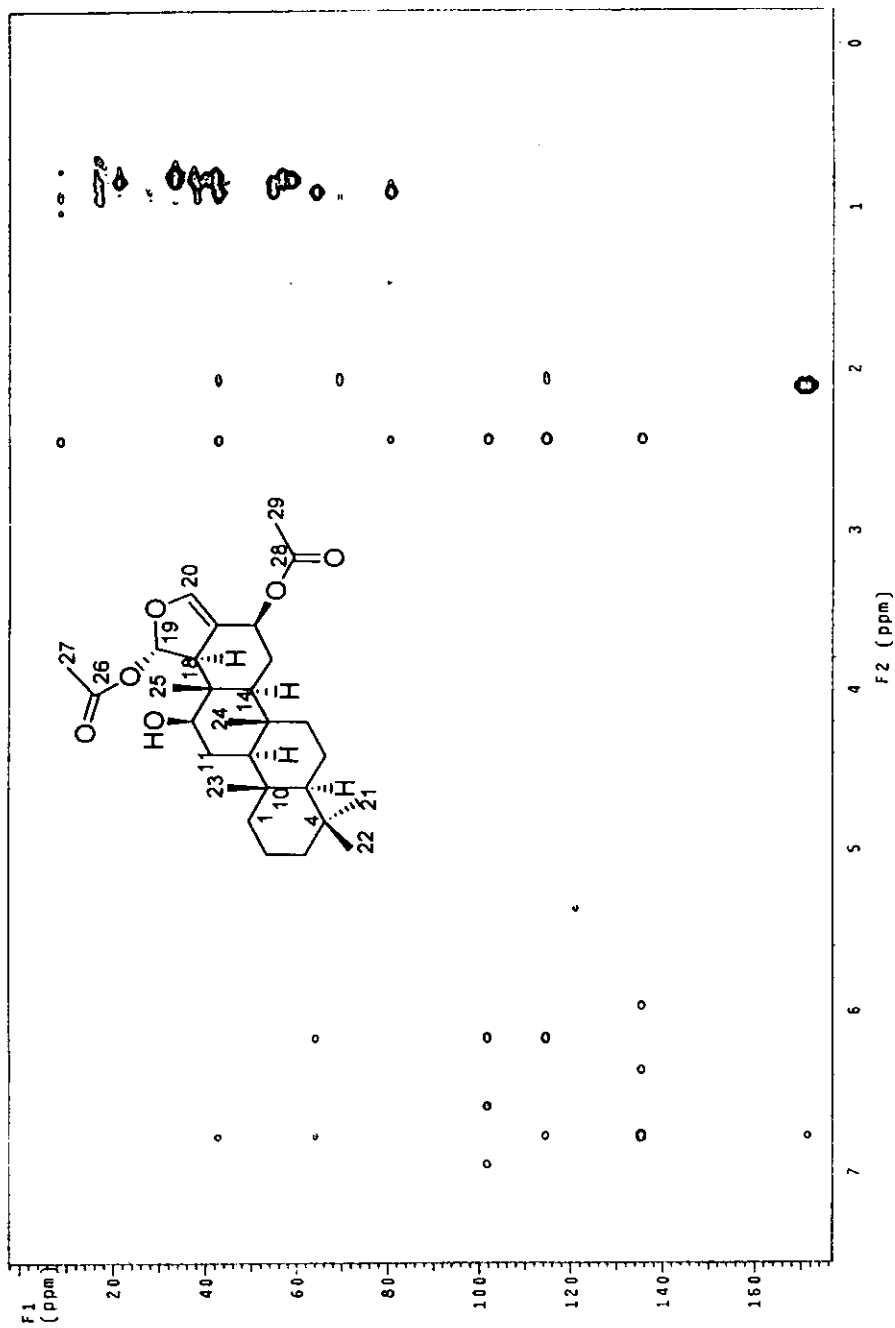


Figure 35 UV spectrum of 18 (MeOH)

Figure 36 ^1H - ^1H COSY spectrum of **18** (500 MHz; CDCl_3)



Figure 38 HMBC spectrum of **18** (500 MHz; CDCl_3)

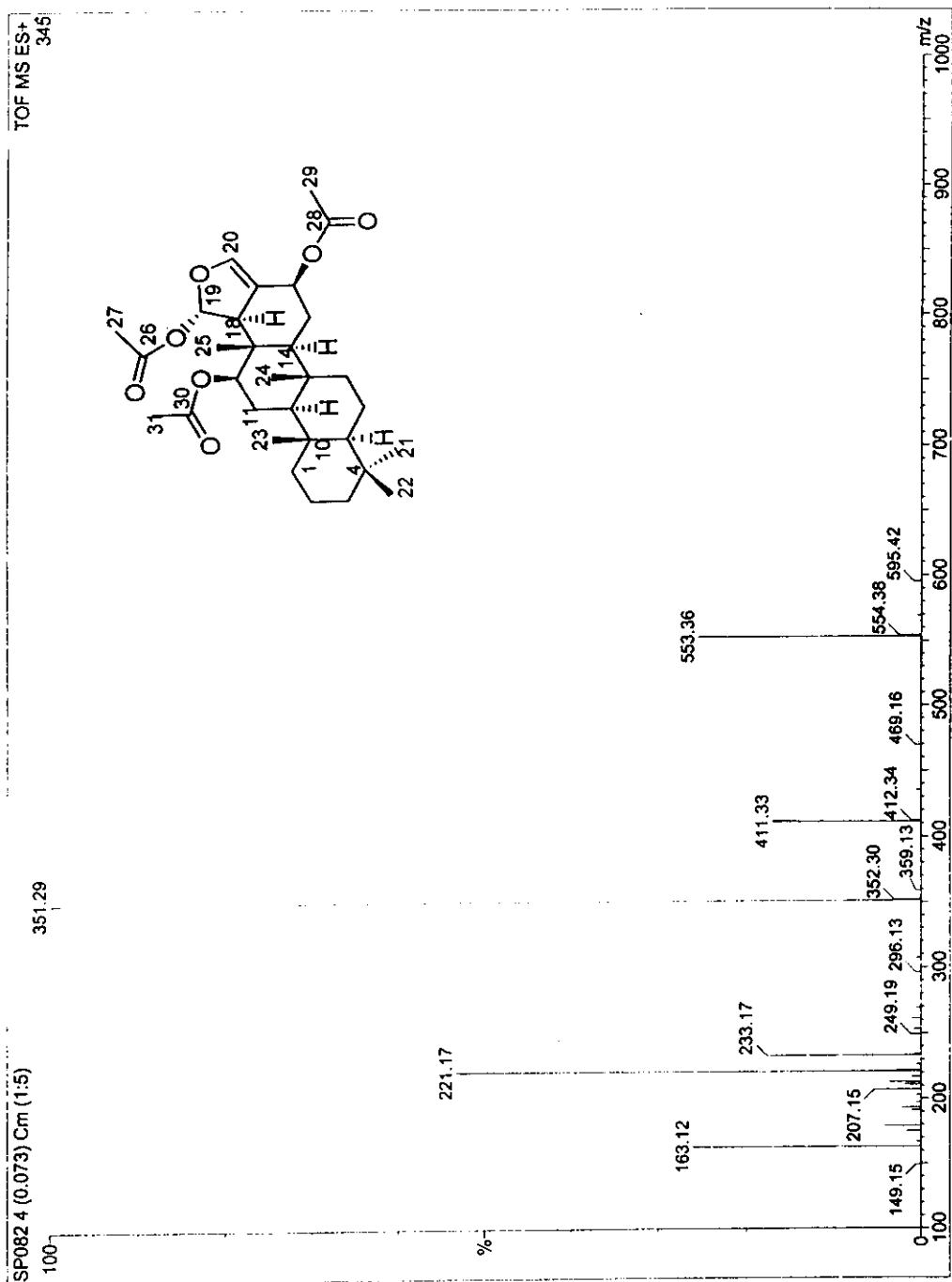
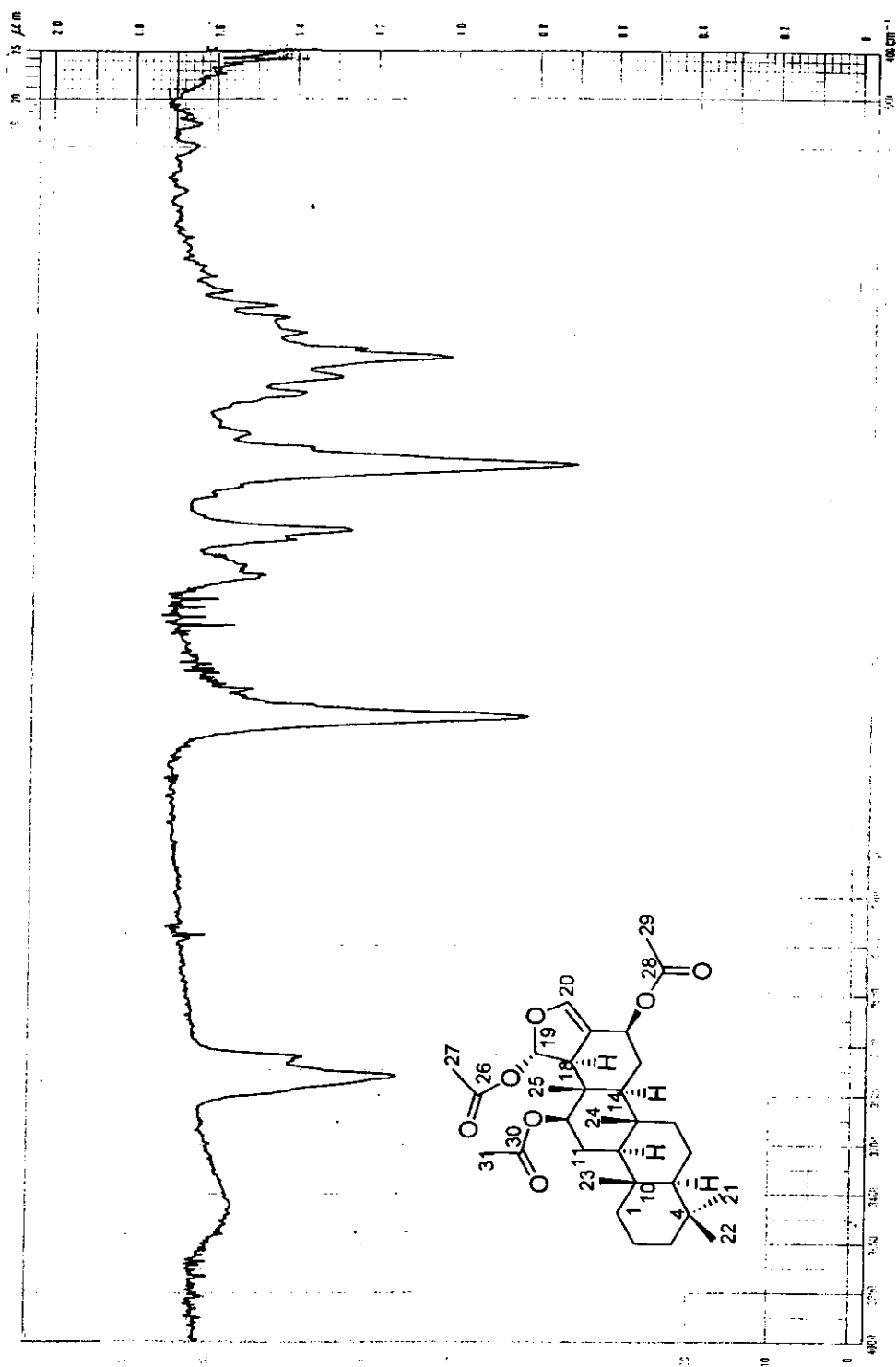


Figure 39 ESIMS spectrum of 41



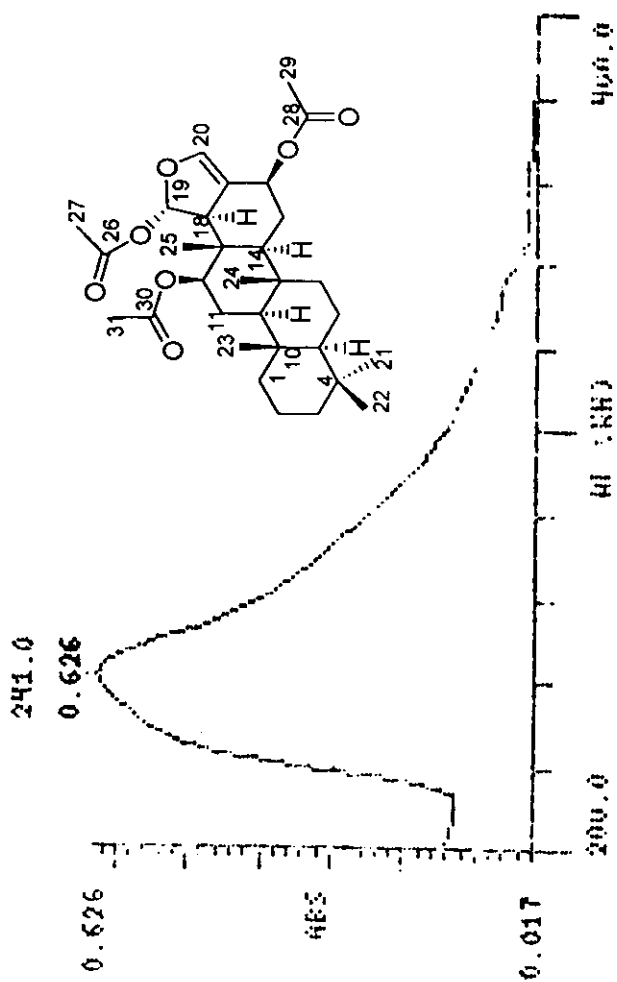


Figure 41 UV spectrum of 41 (MeOH)

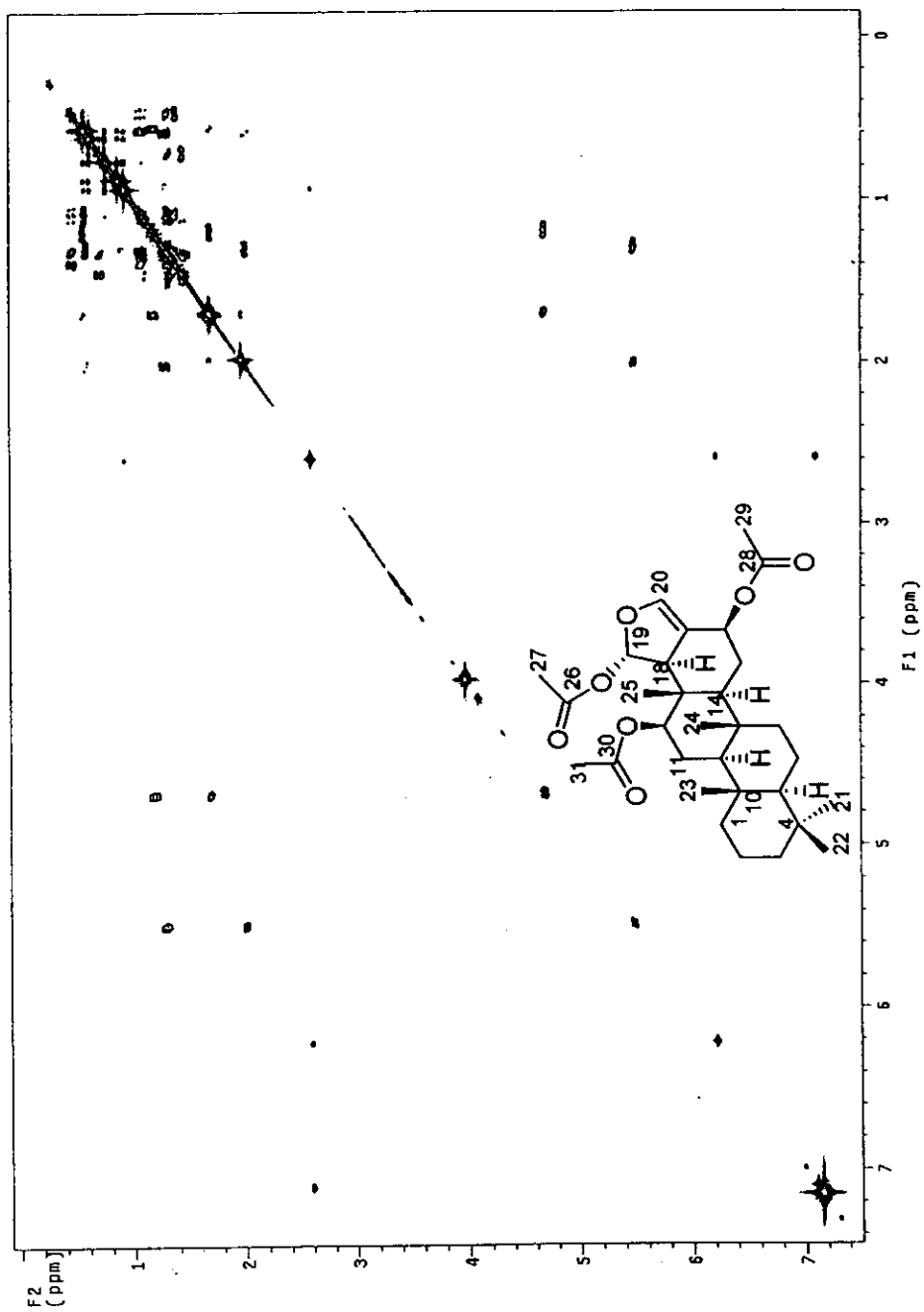
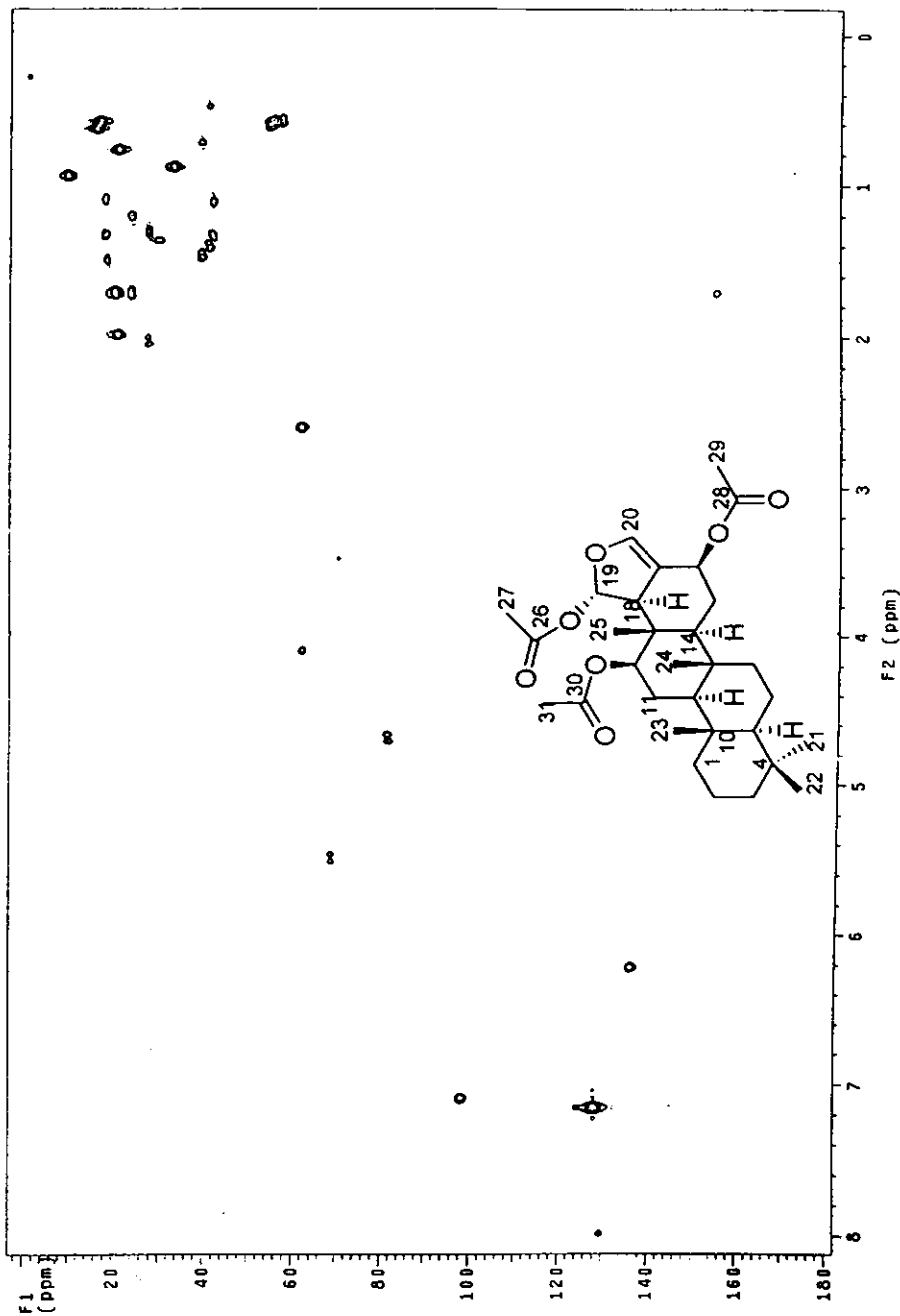
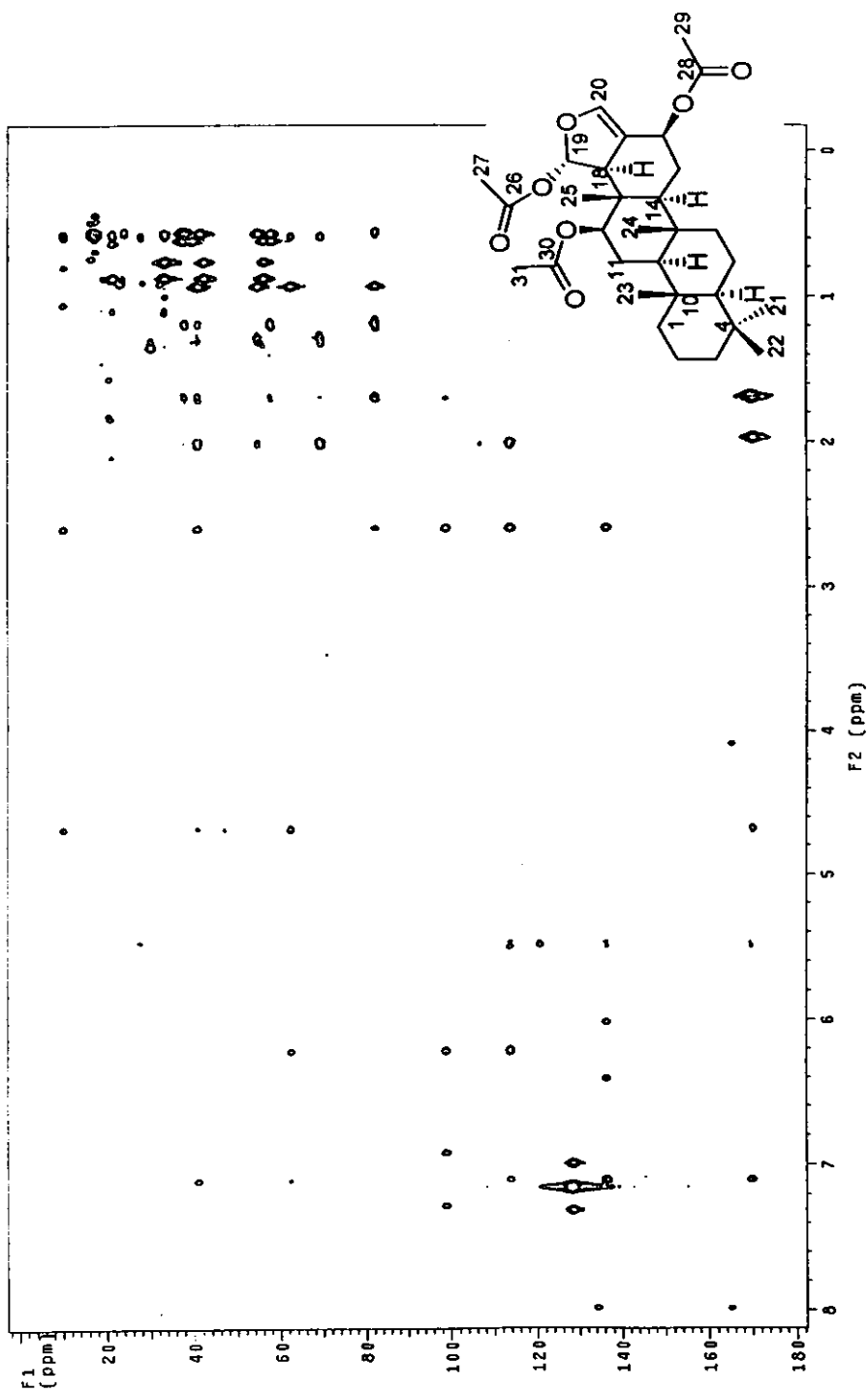


Figure 42 ^1H - ^1H COSY spectrum of **41** (500 MHz; C_6D_6)



Figure 44 HMBC spectrum of 41 (500 MHz; C_6D_6)

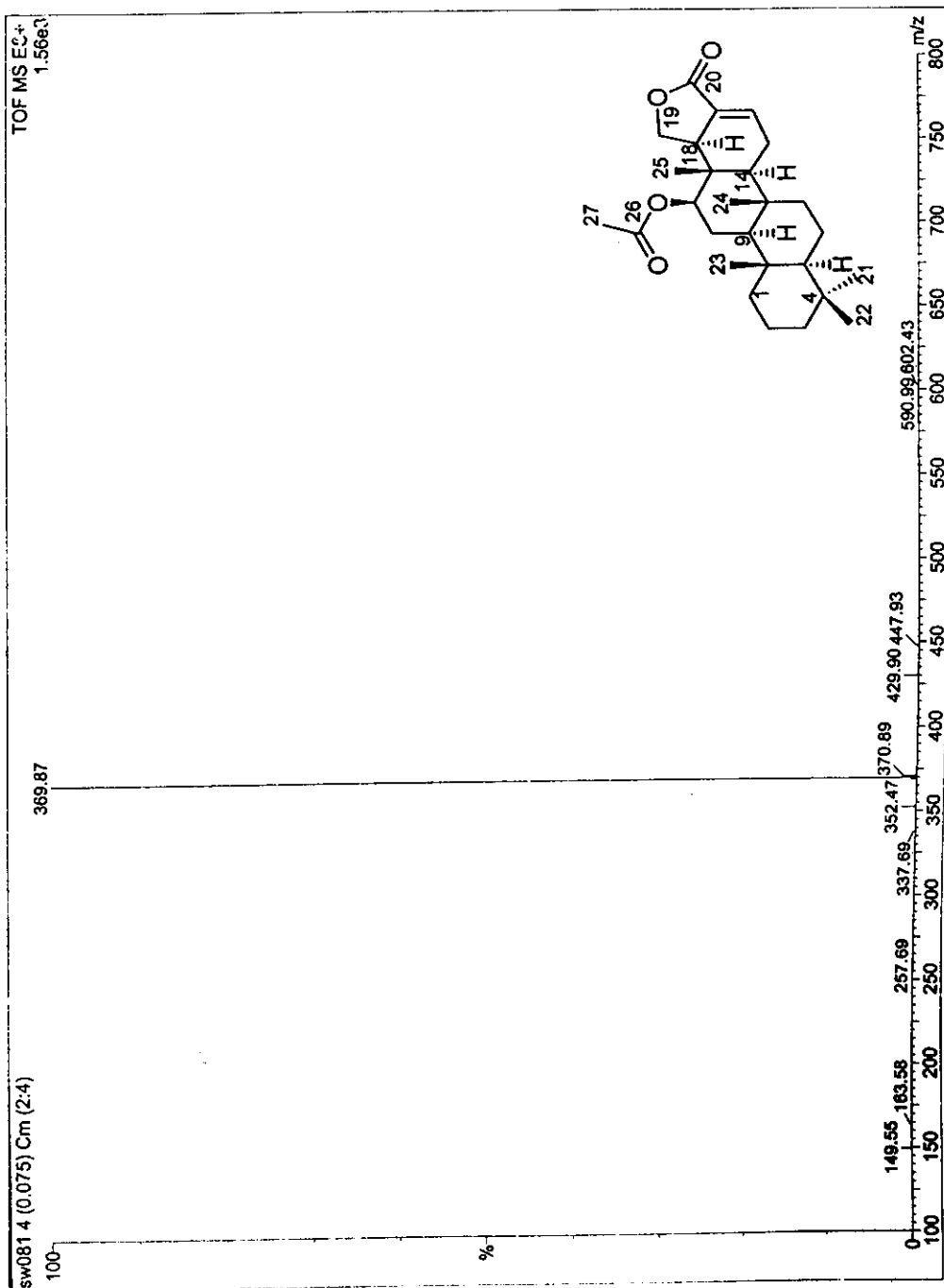


Figure 45 ESIMS spectrum of 42

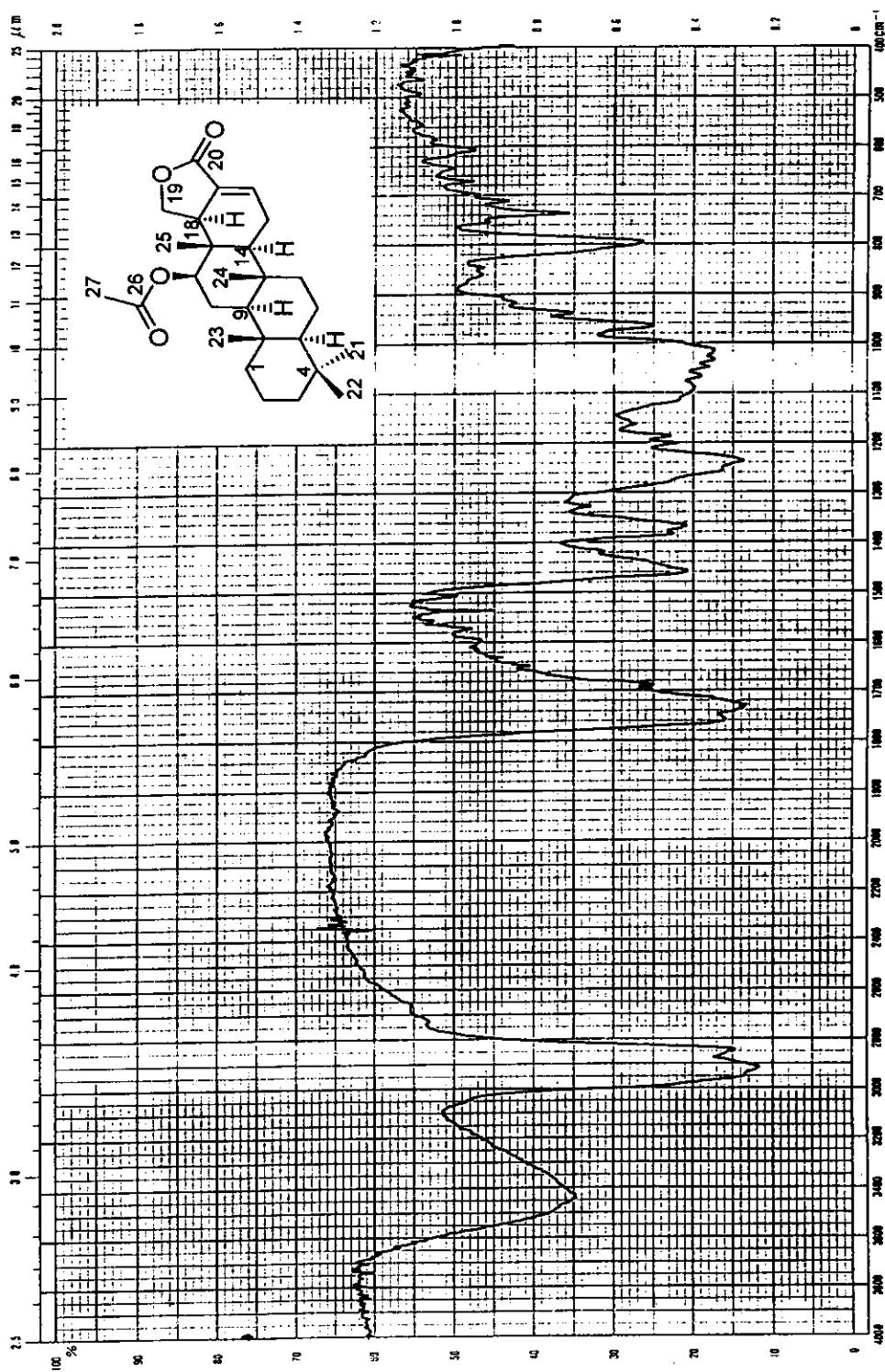


Figure 46 IR spectrum of 42 (thin film)

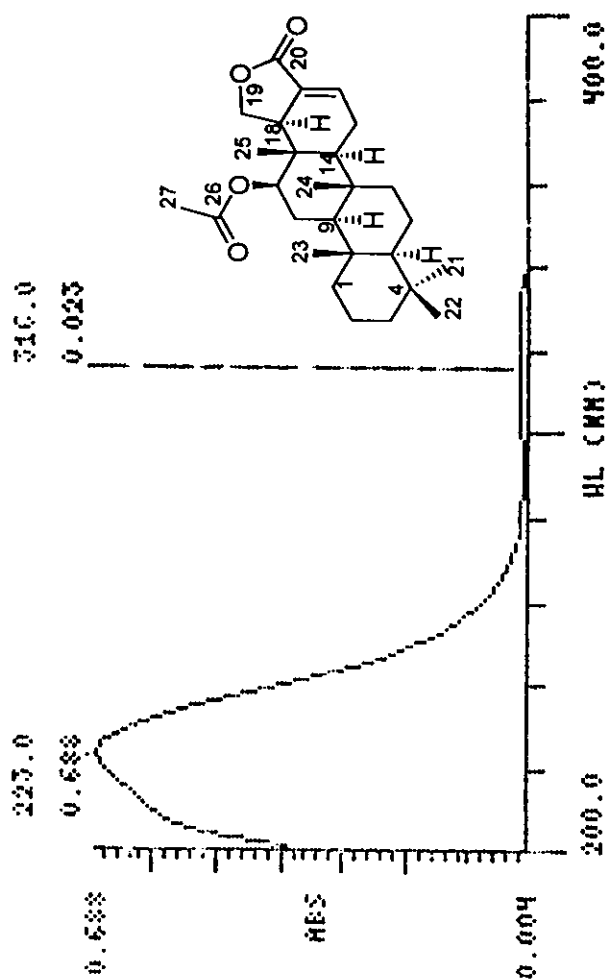


Figure 47 UV spectrum of 42 (MeOH)

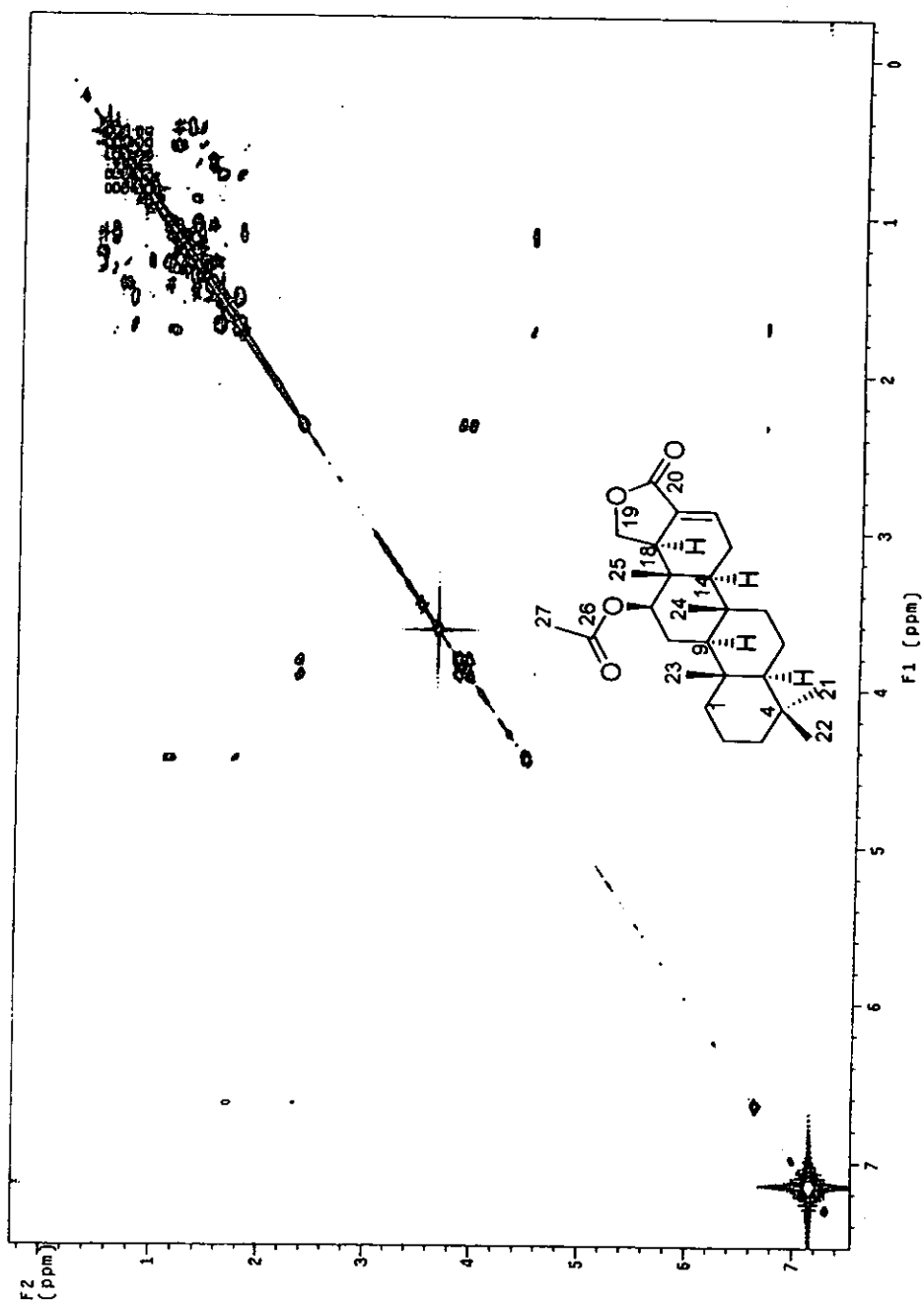
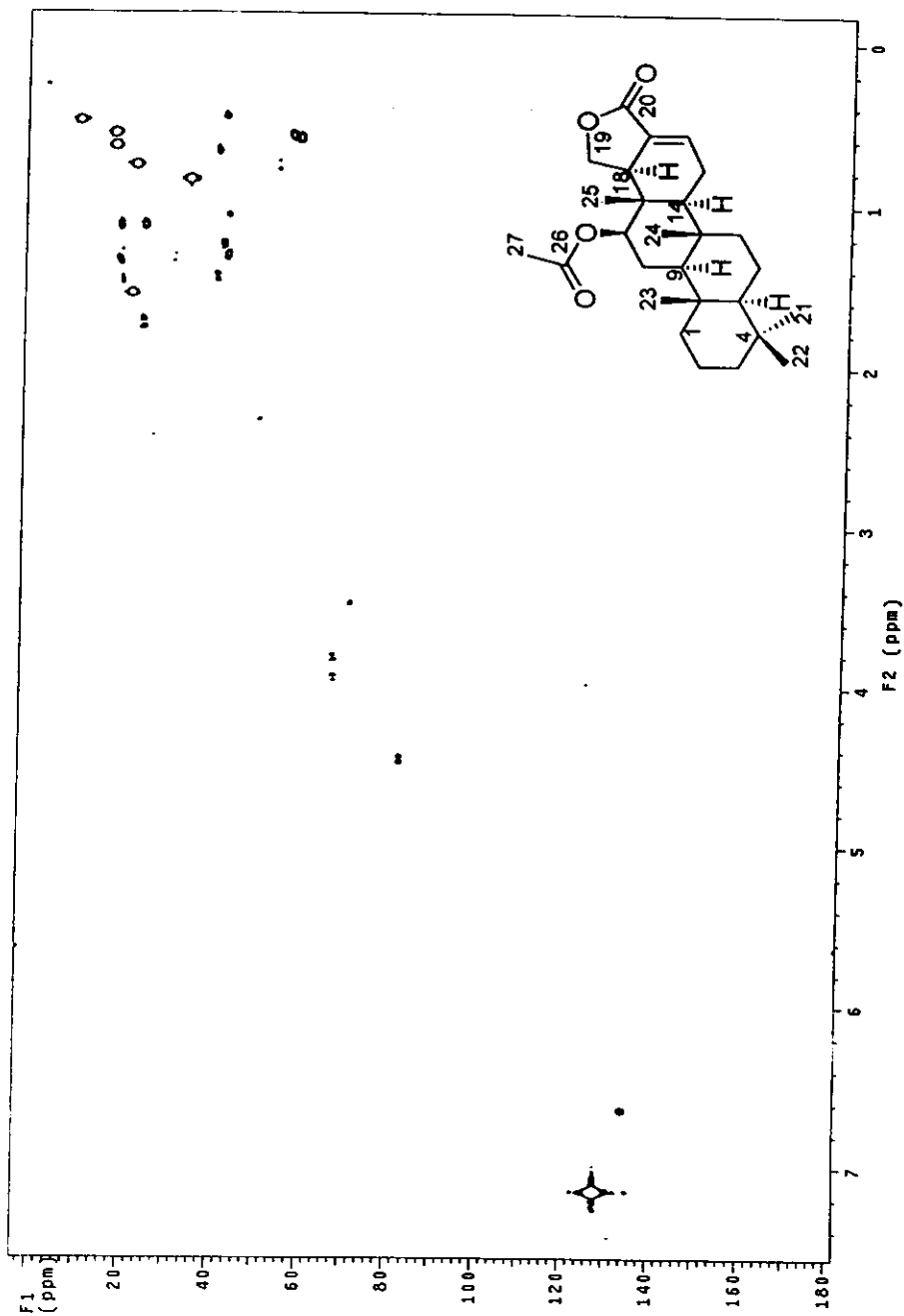
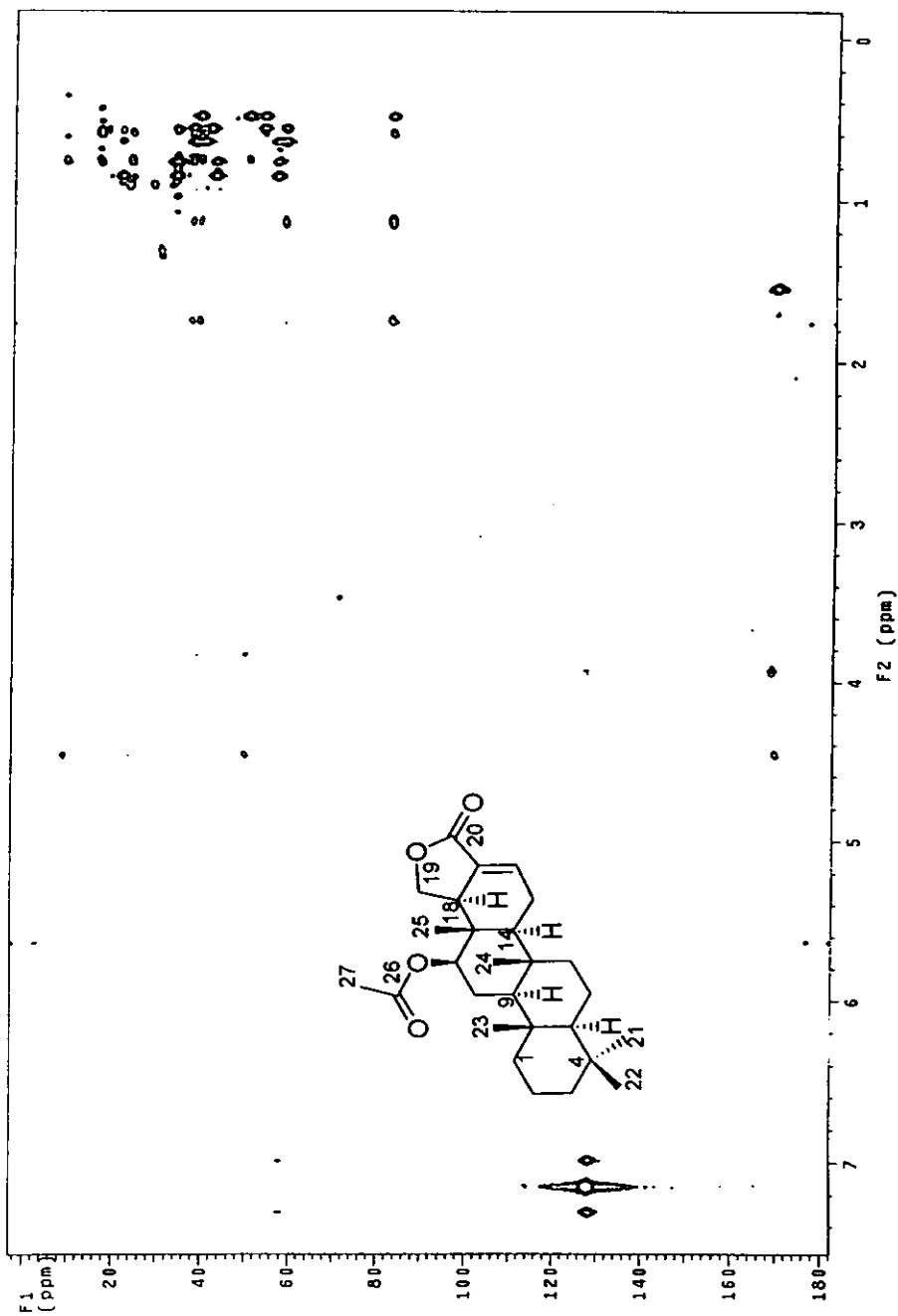


Figure 48 ^1H - ^1H COSY spectrum of 42 (500 MHz; C_6D_6)

Figure 49 HMOC spectrum of **42** (500 MHz; C_6D_6)

Figure 50 HMBC spectrum of 42 (500 MHz; C₆D₆)

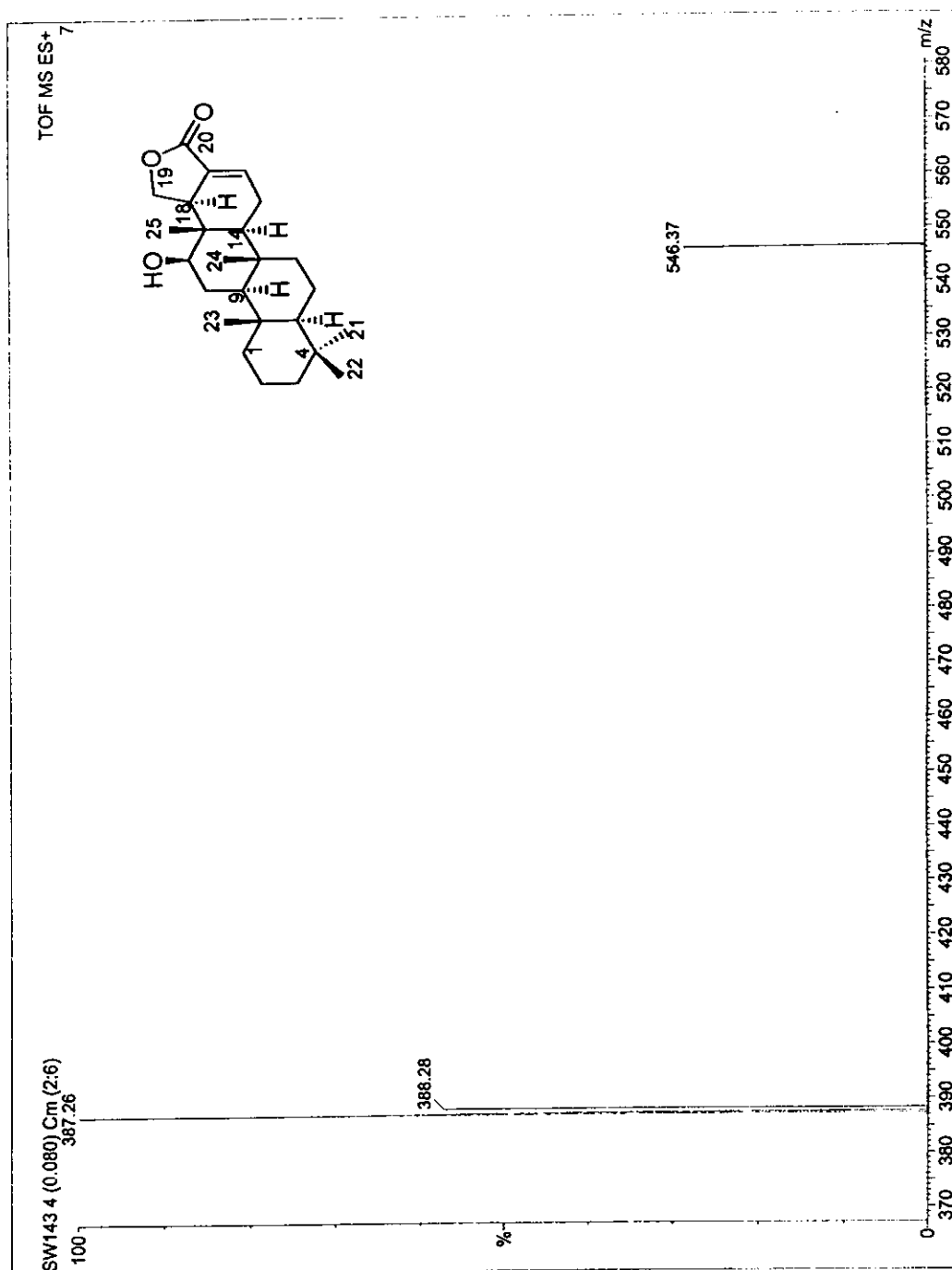


Figure 51 ESIMS spectrum of 43

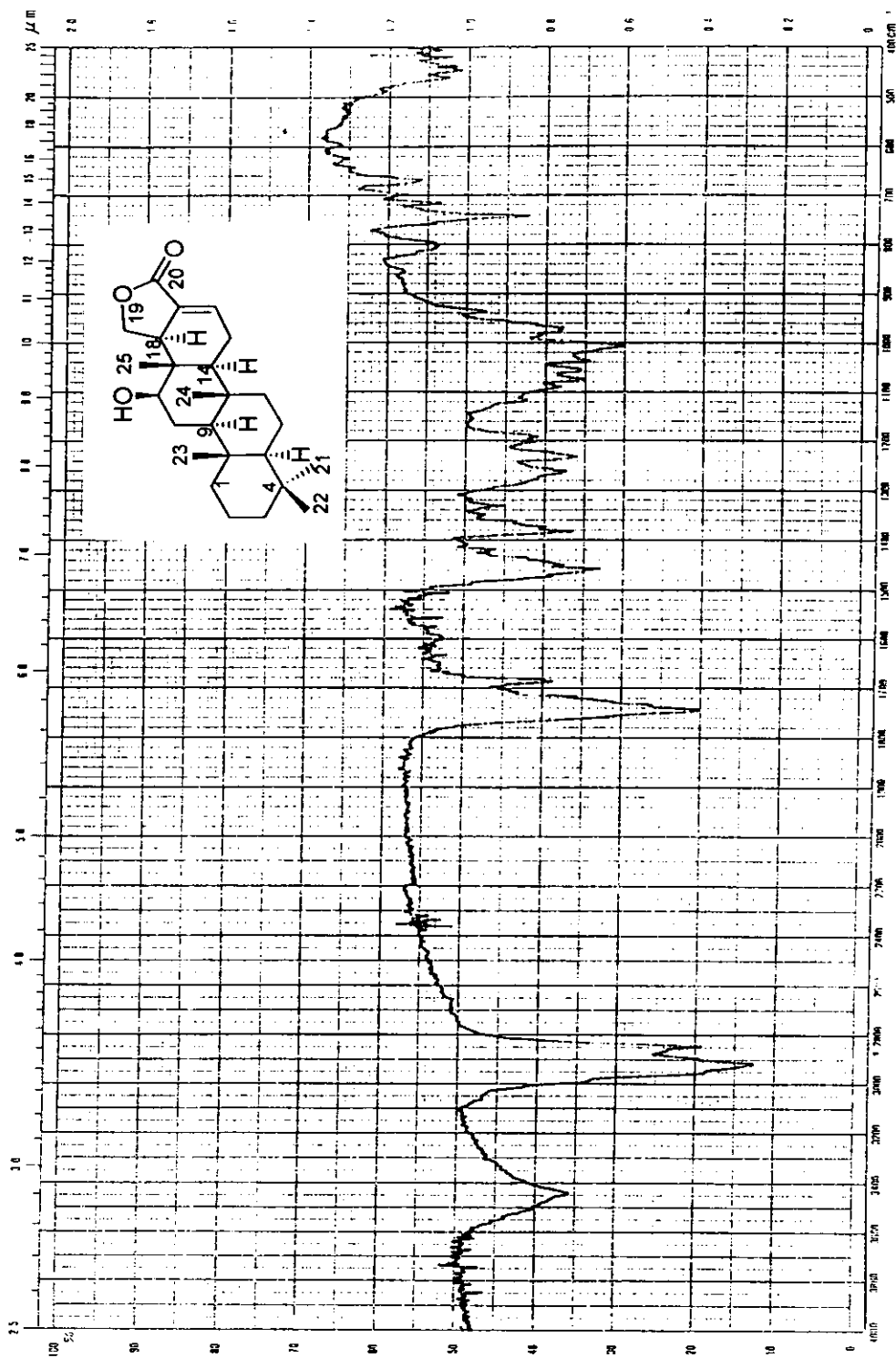


Figure 52 IR spectrum of 43 (thin film)

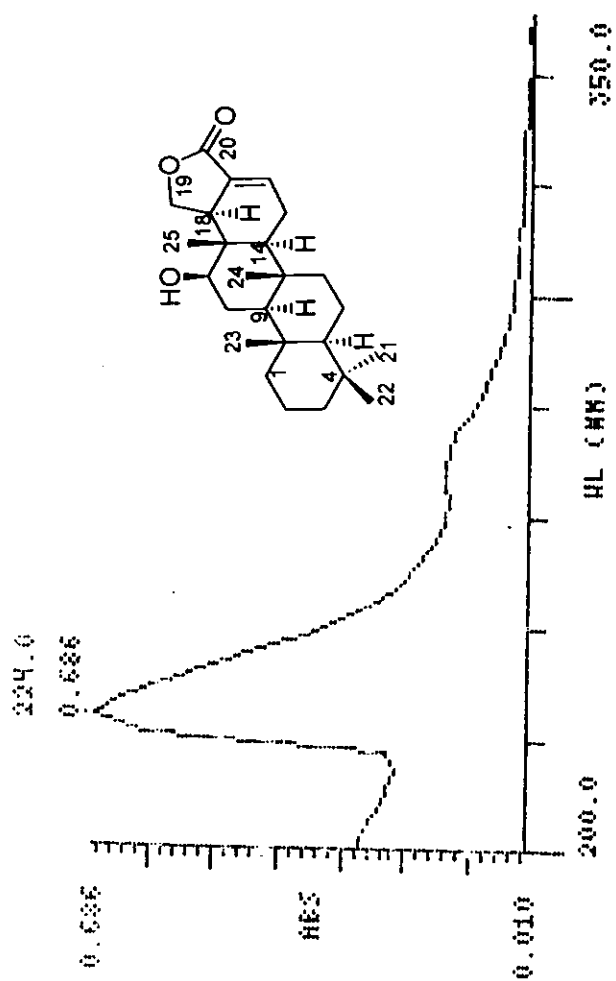
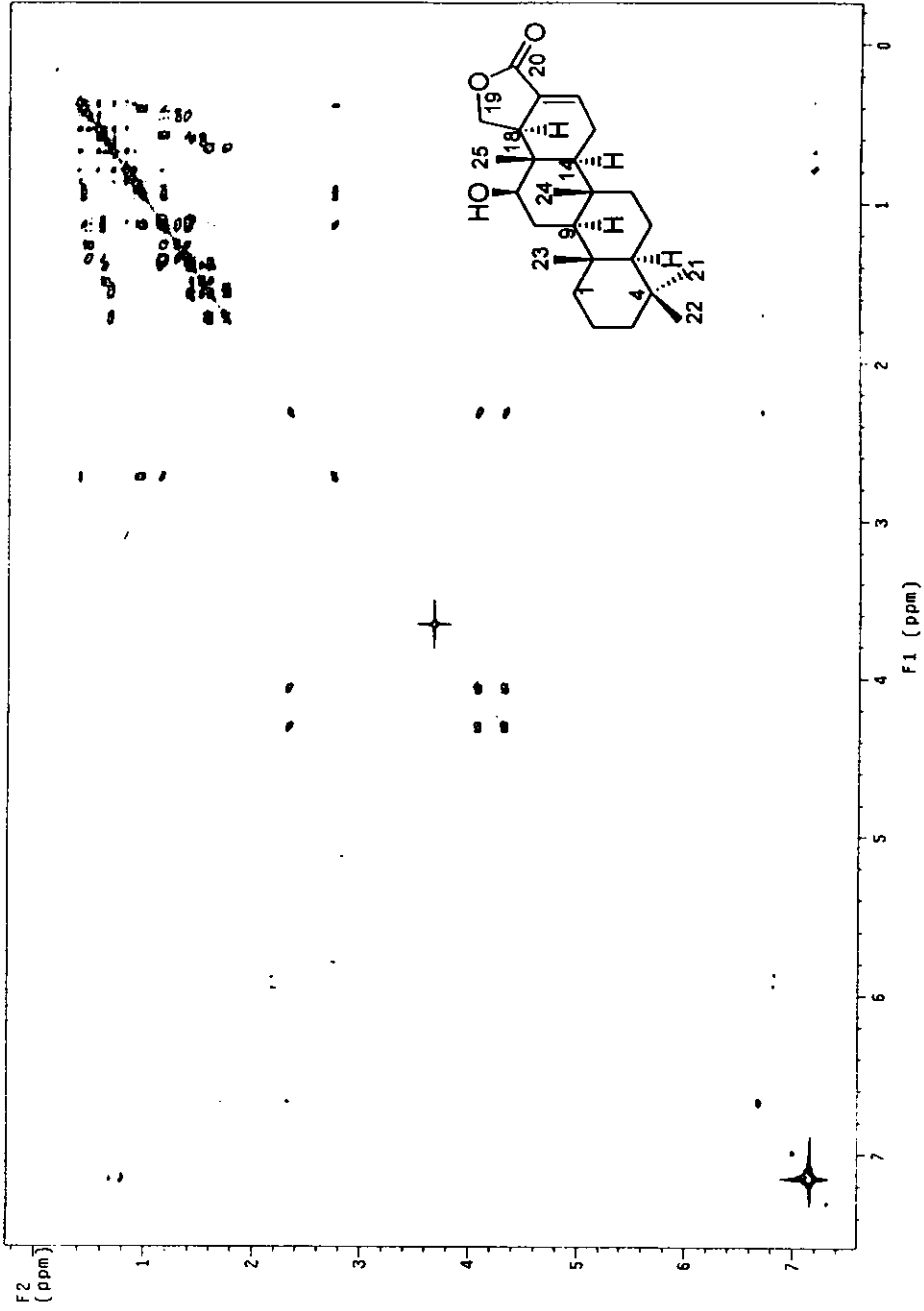
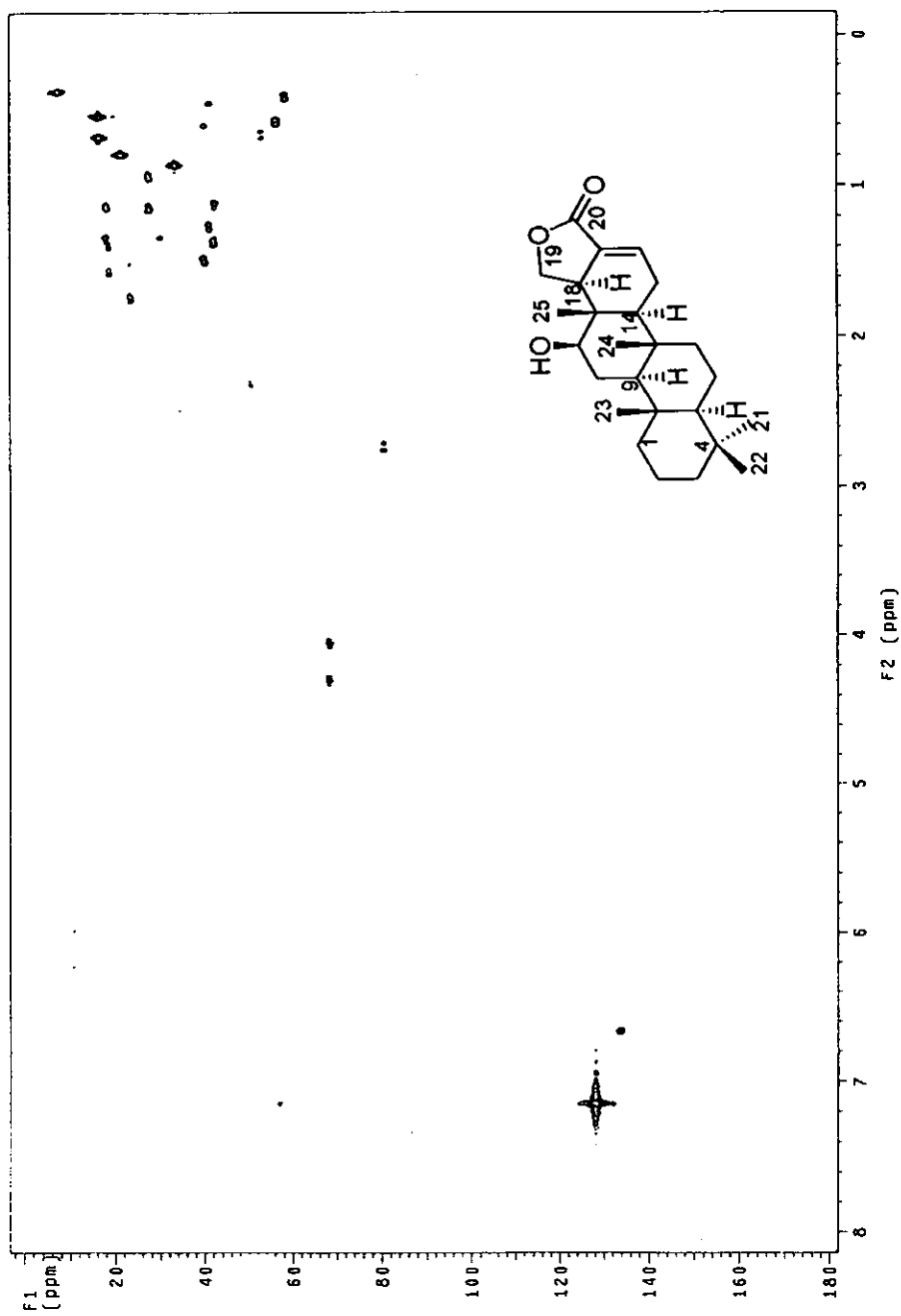
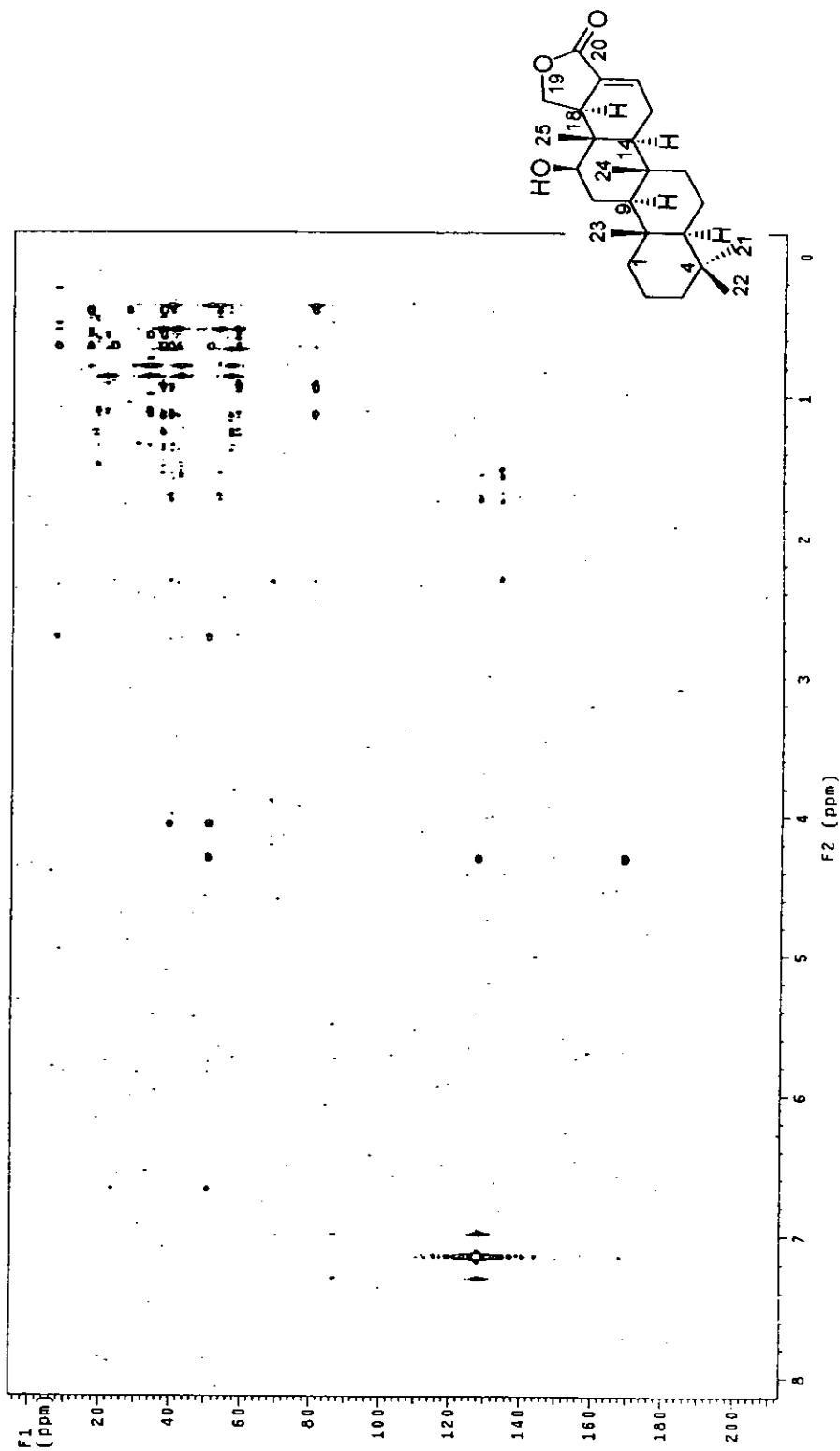


Figure 53 UV spectrum of 43 (MeOH)

Figure 54 ^1H - ^1H COSY spectrum of 43 (500 MHz; C_6D_6)

Figure S5 HMQC spectrum of 43 (500 MHz; C_6D_6)

Figure 56 HMBC spectrum of 43 (500 MHz; C₆D₆)

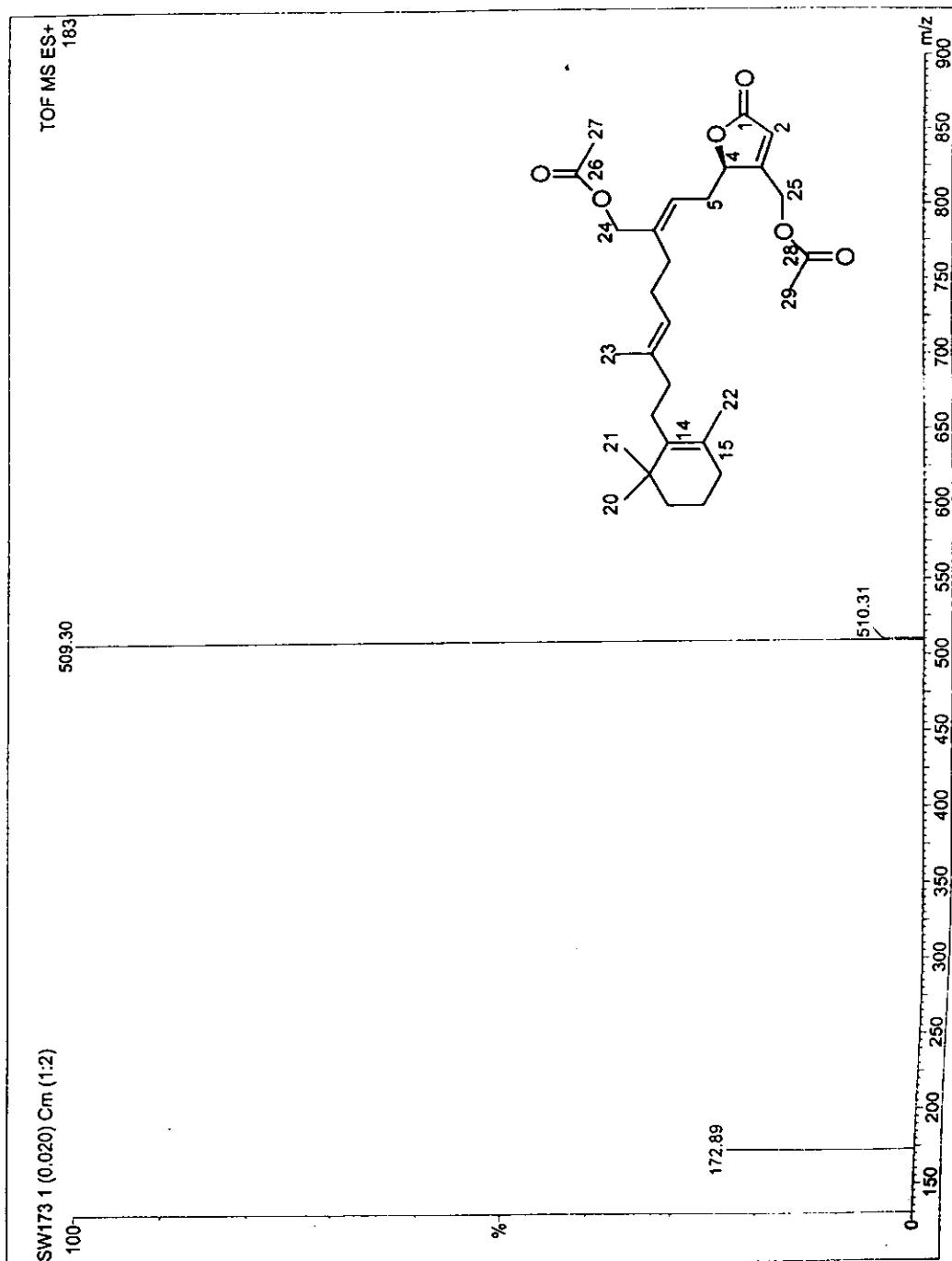


Figure S7 ESIMS spectrum of 44

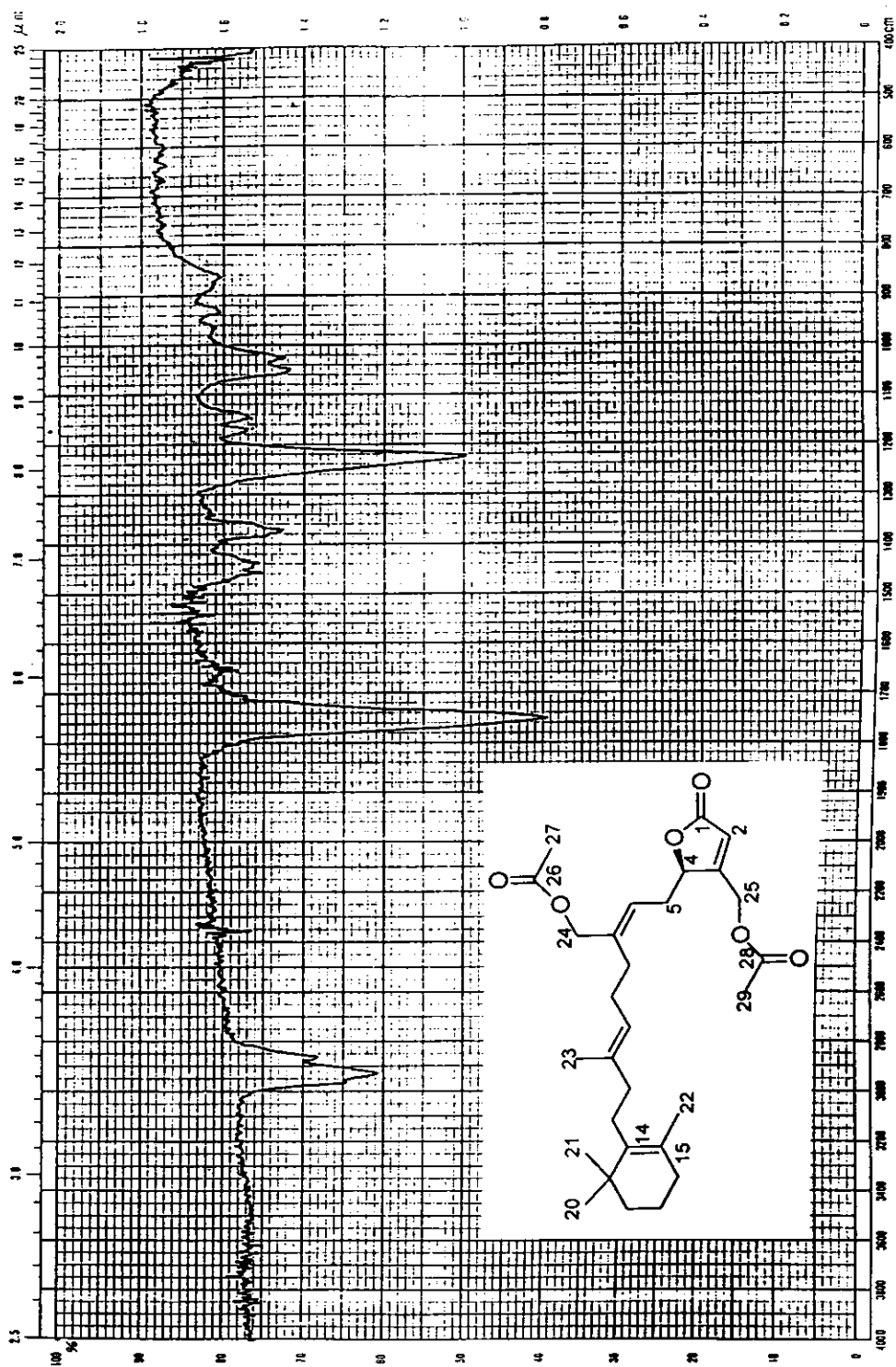


Figure 58 IR spectrum of 44 (thin film)

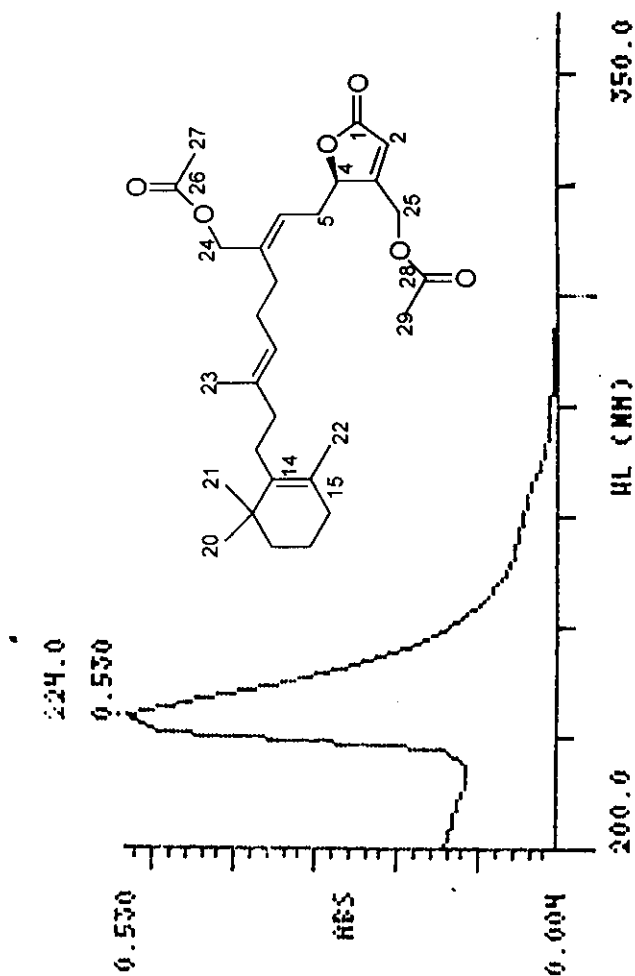
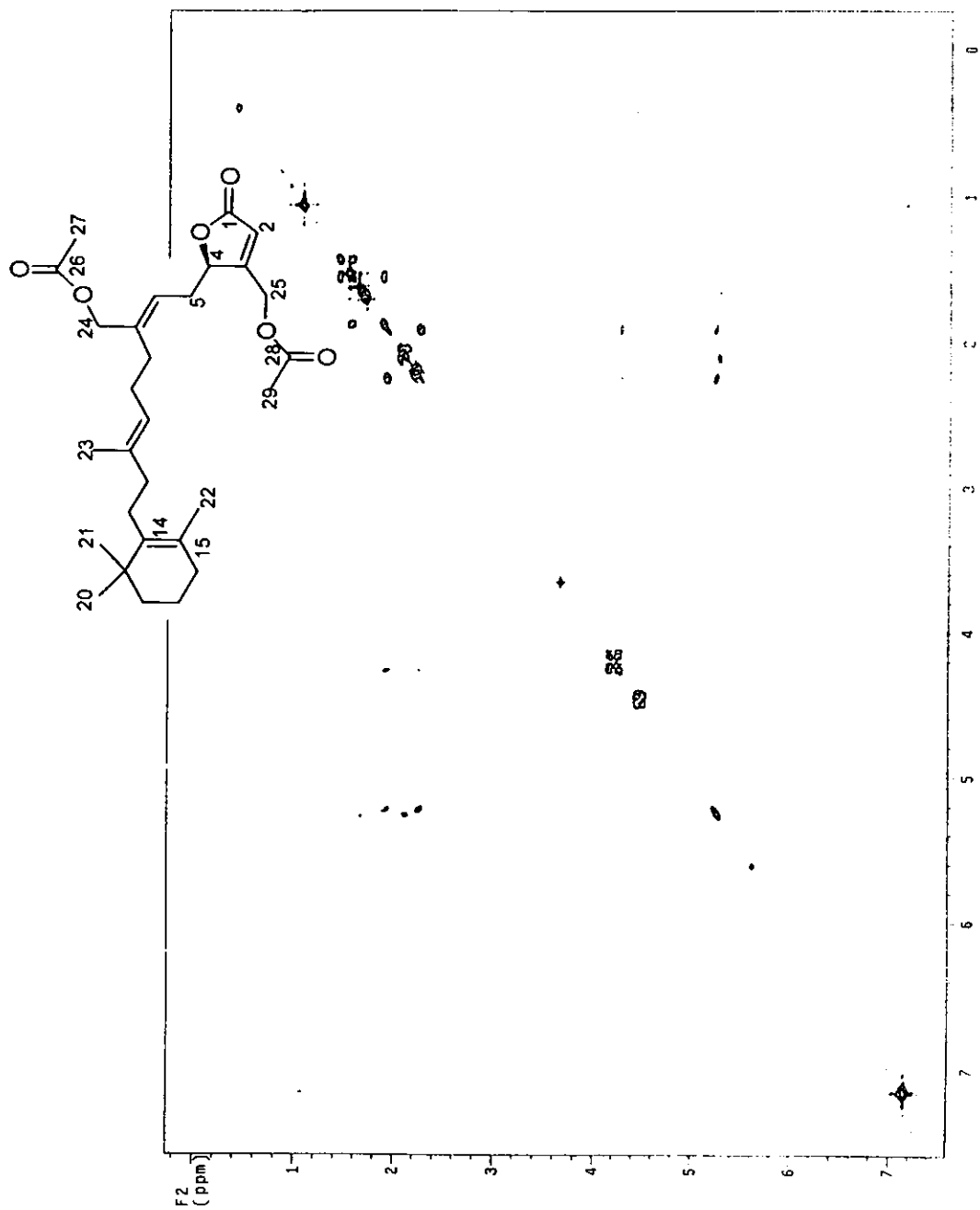
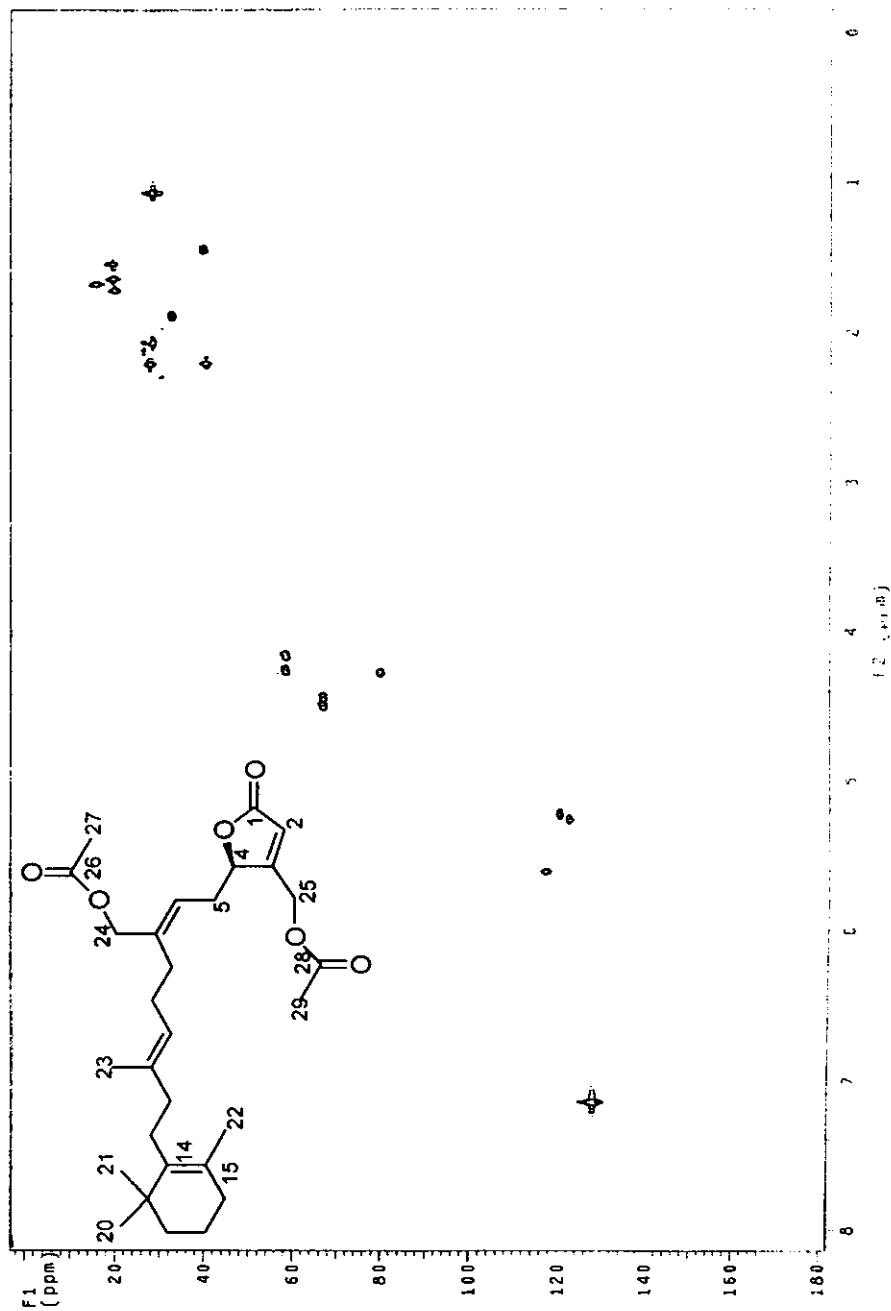
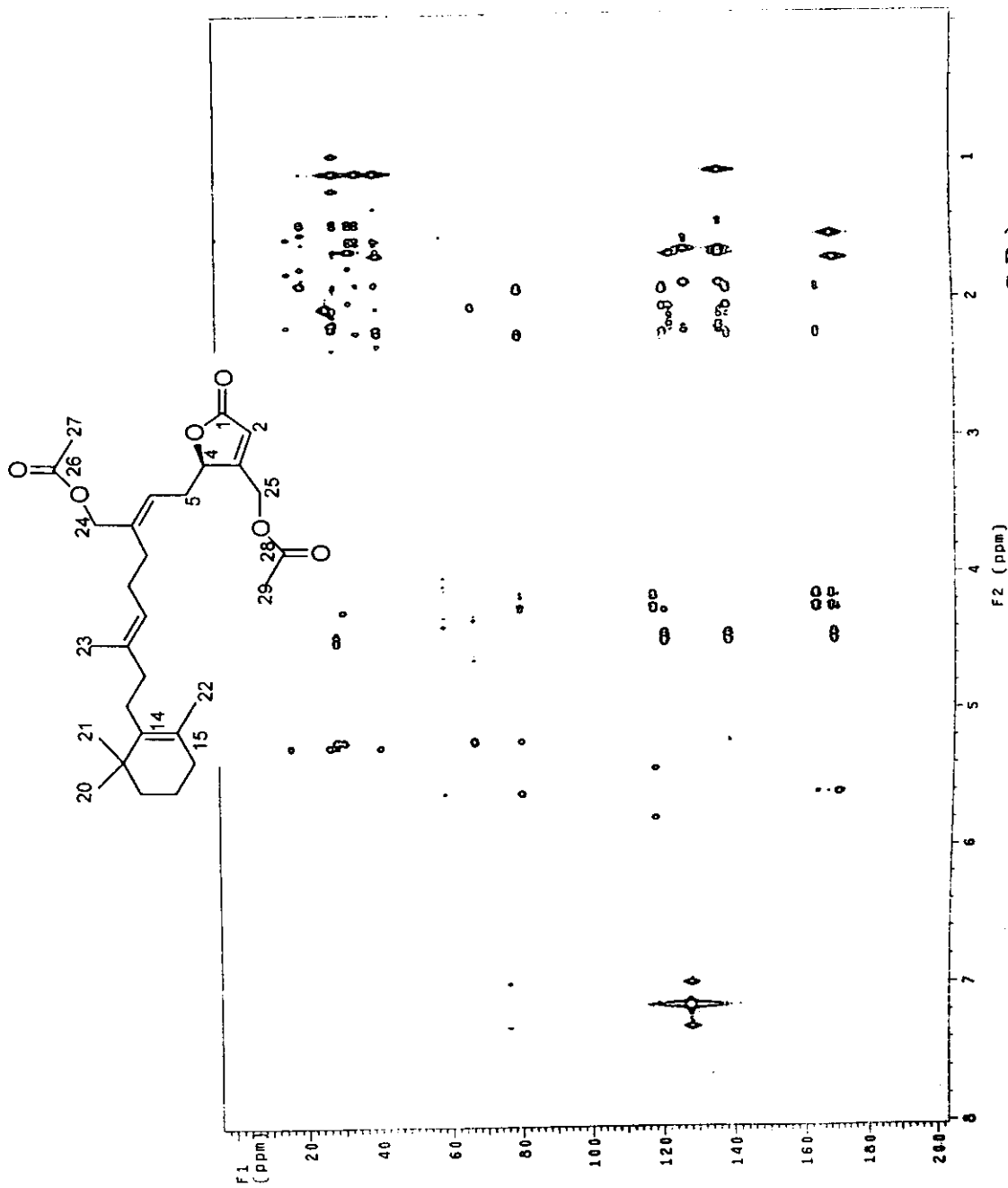


Figure 59 UV spectrum of 44 (MeOH)

Figure 60 ${}^1\text{H}$ - ${}^1\text{H}$ COSY spectrum of **44** (500 MHz; C_6D_6)

Figure 61 HMOC spectrum of 44 (500 MHz; C_6D_6)

Figure 62 HMBC spectrum of 44 (500 MHz; C_6D_6)

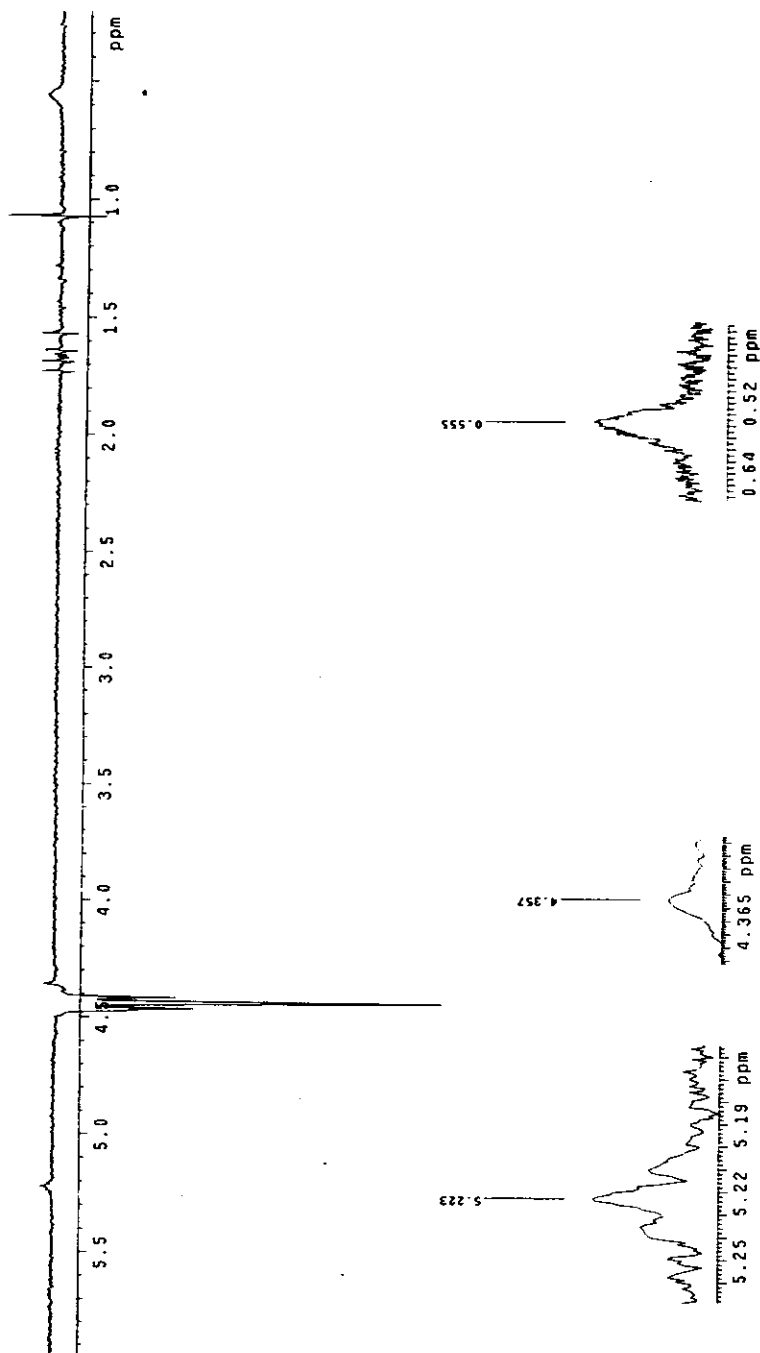


Figure 63 nOe difference spectrum of 44 after irradiation at $\delta_{\text{H}} 4.43$ (H-24a)

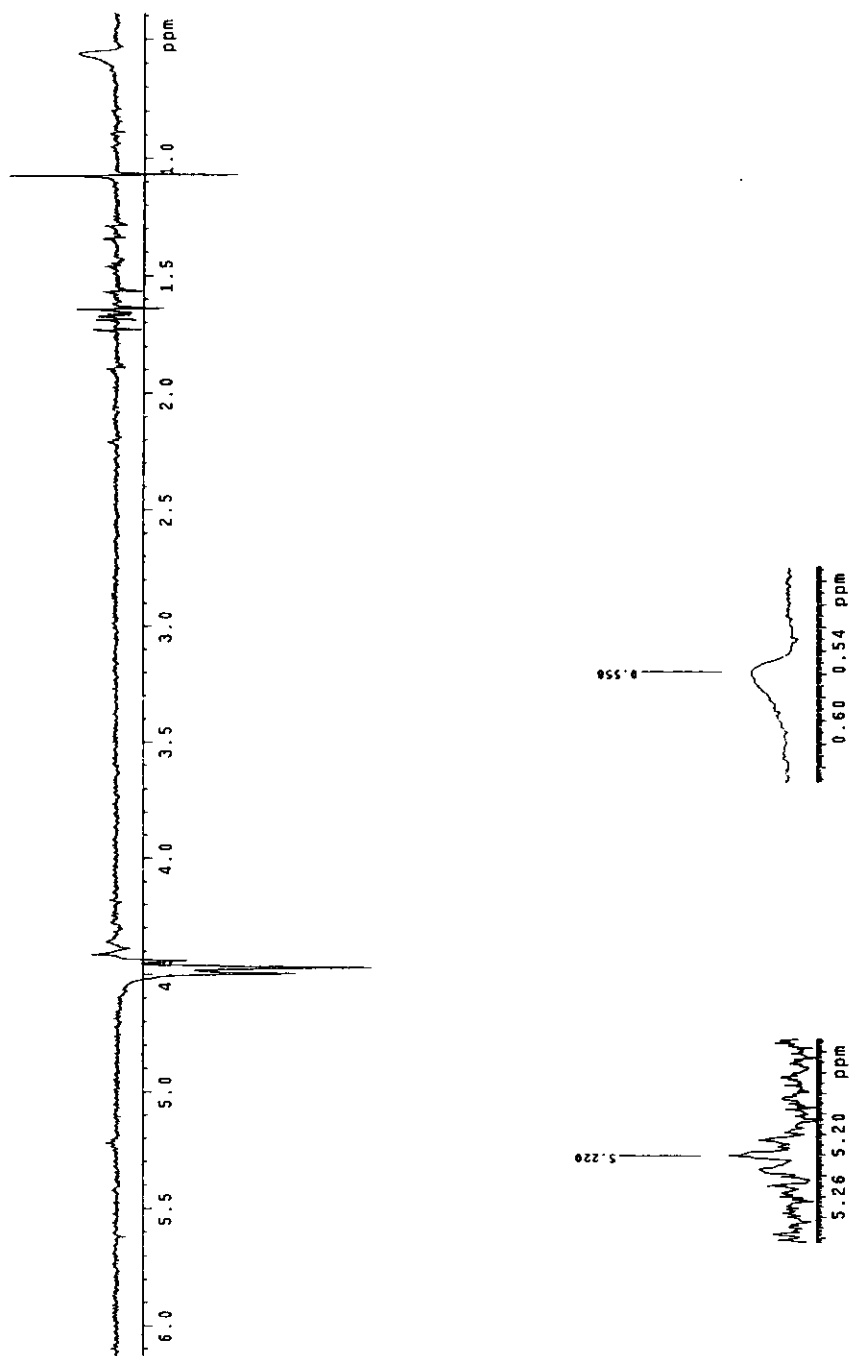


Figure 64 nOe difference spectrum of 44 after irradiation at $\delta_{\text{H}} 4.49$ (H-24b)

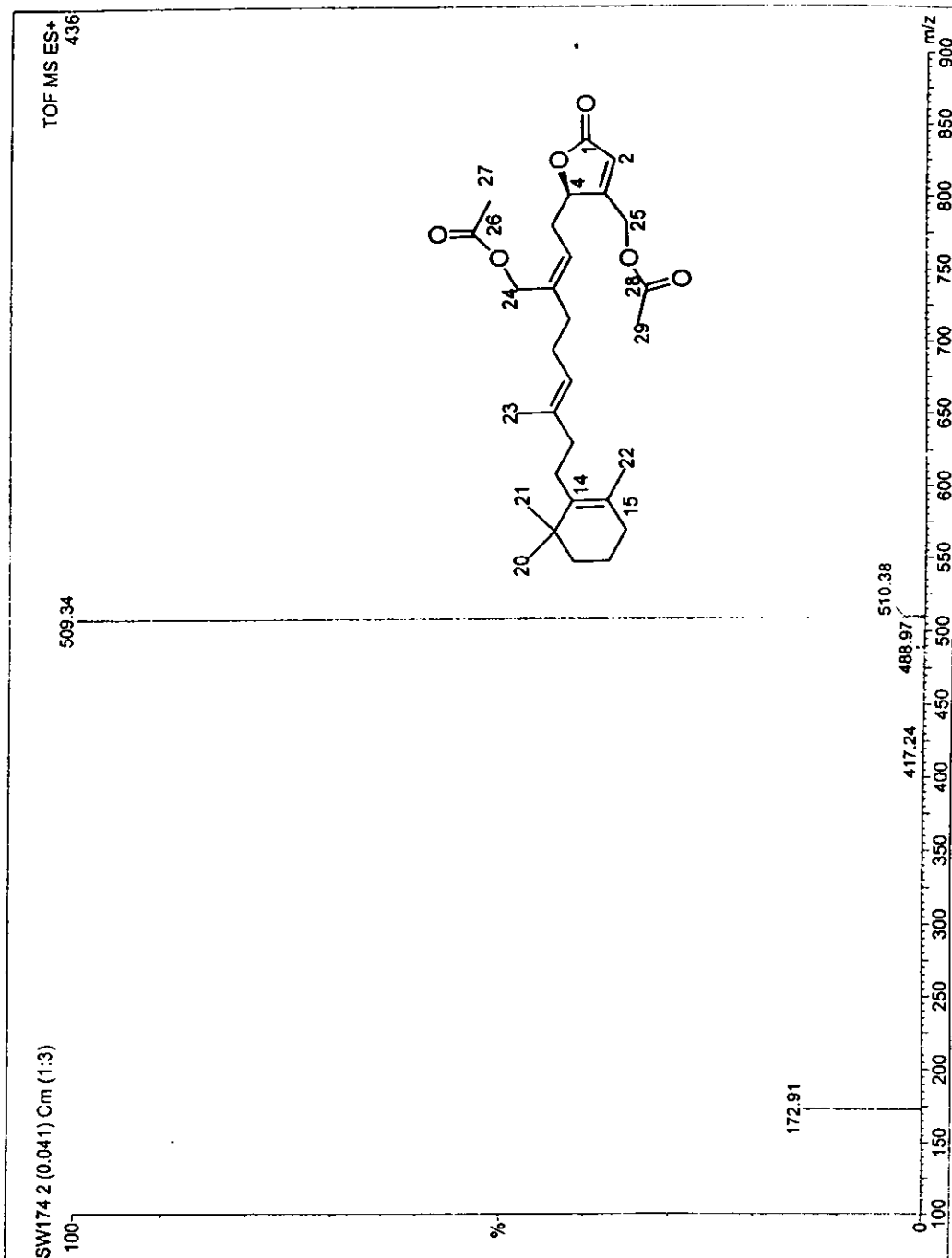


Figure 65 ESIMS spectrum of 45

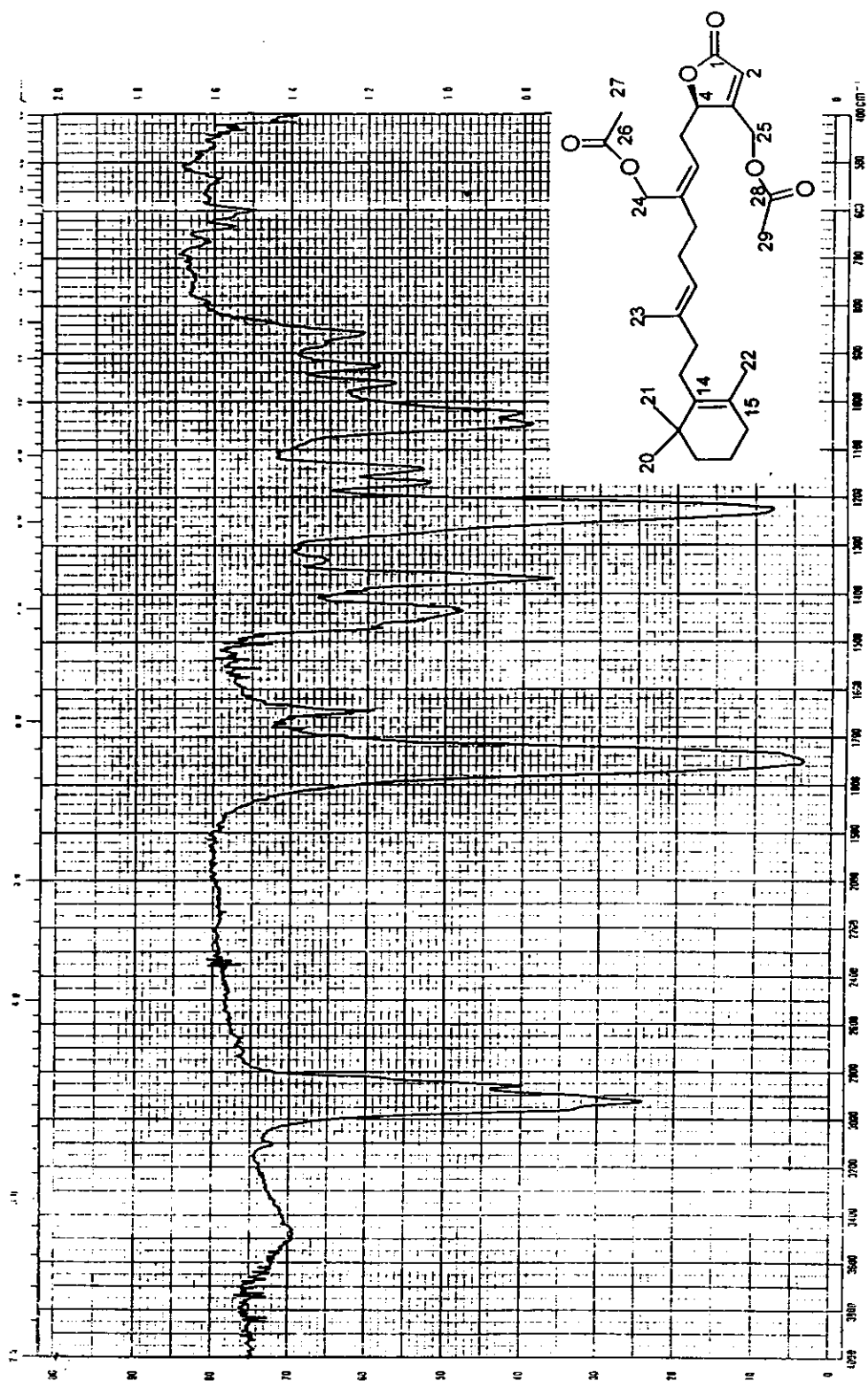


Figure 66 IR spectrum of 45 (thin film)

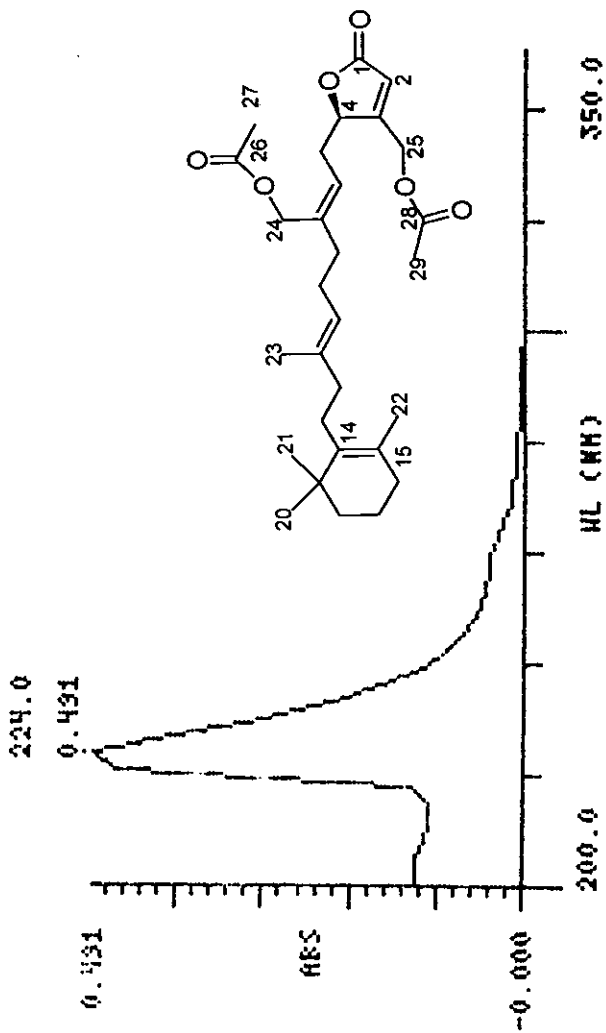
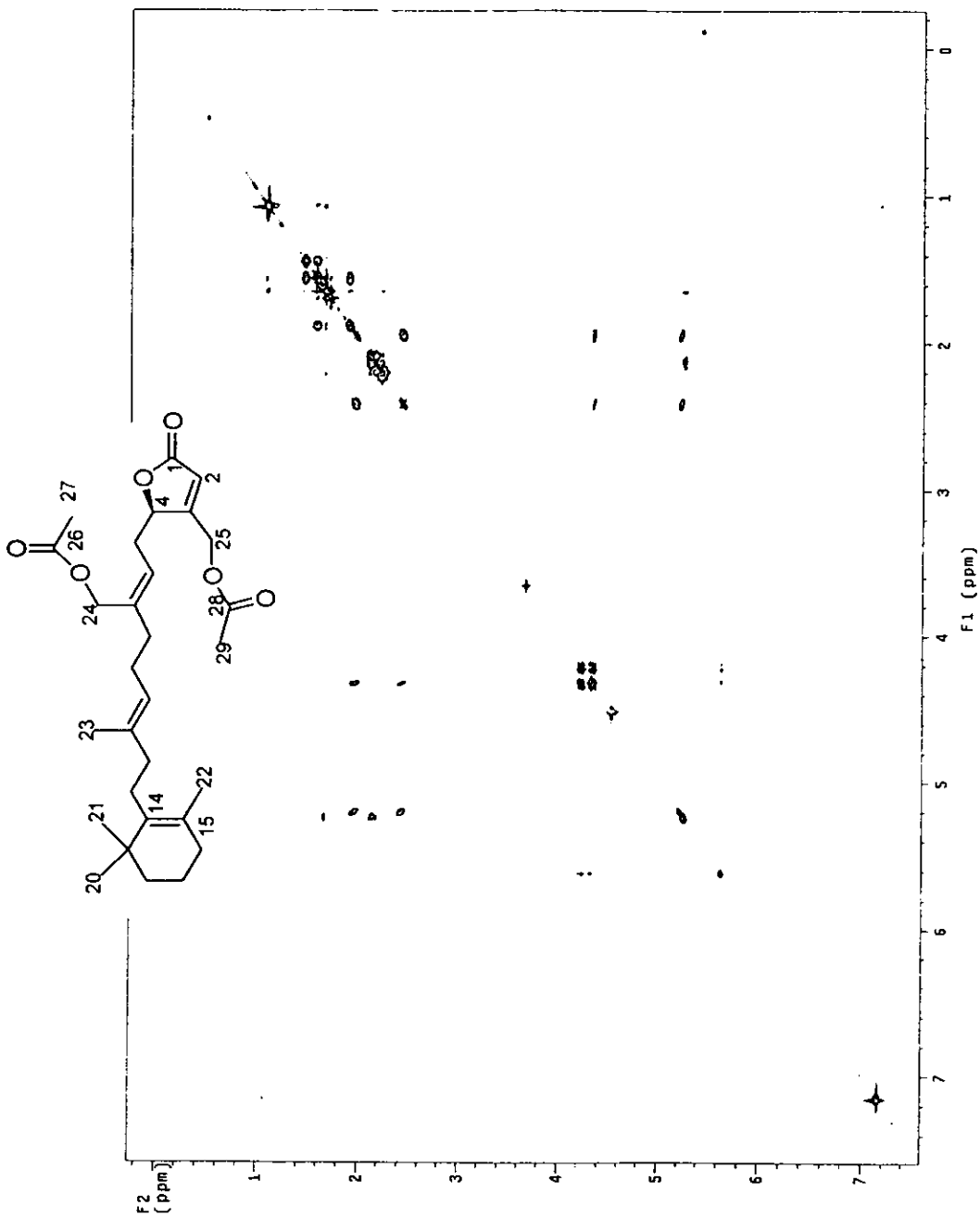
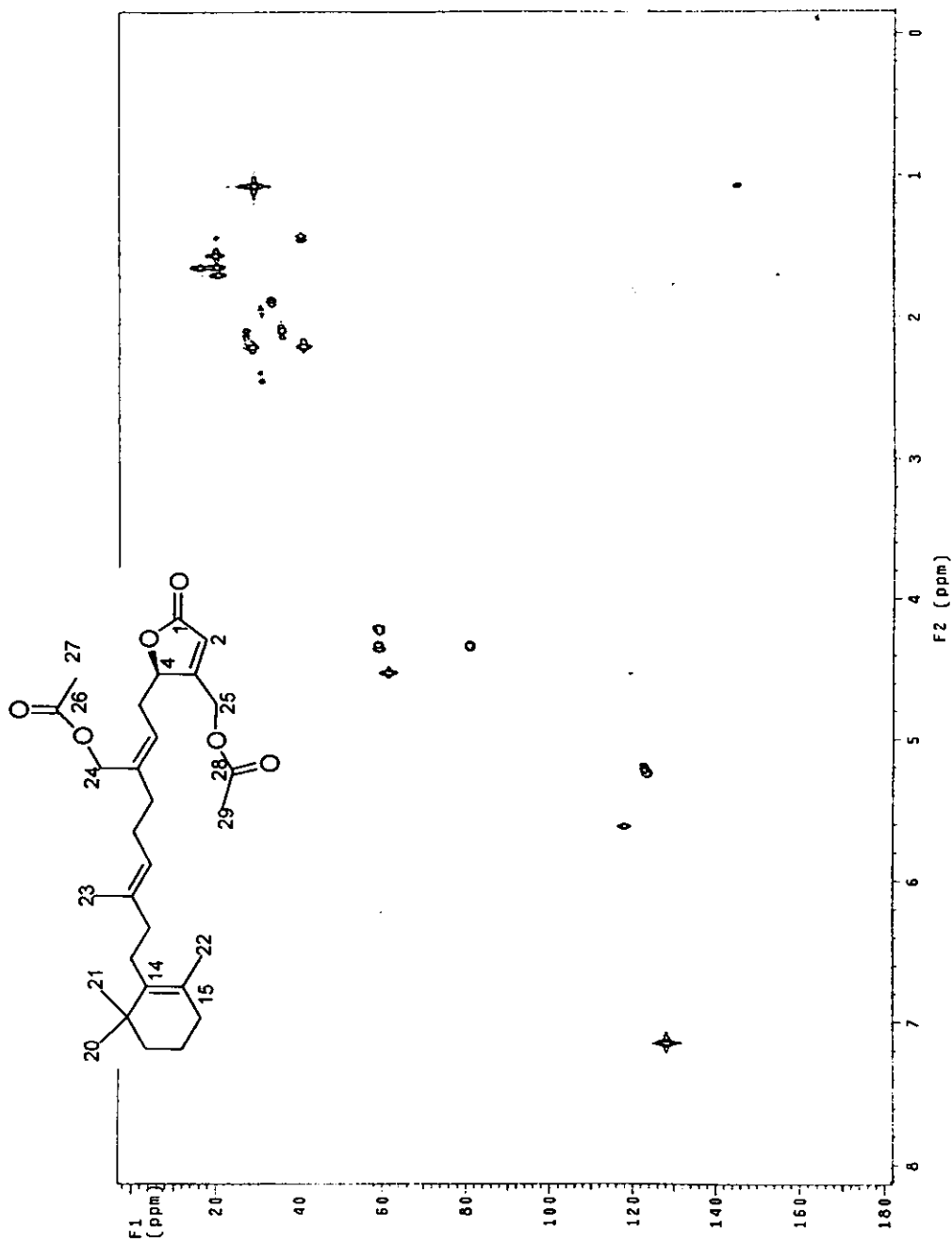
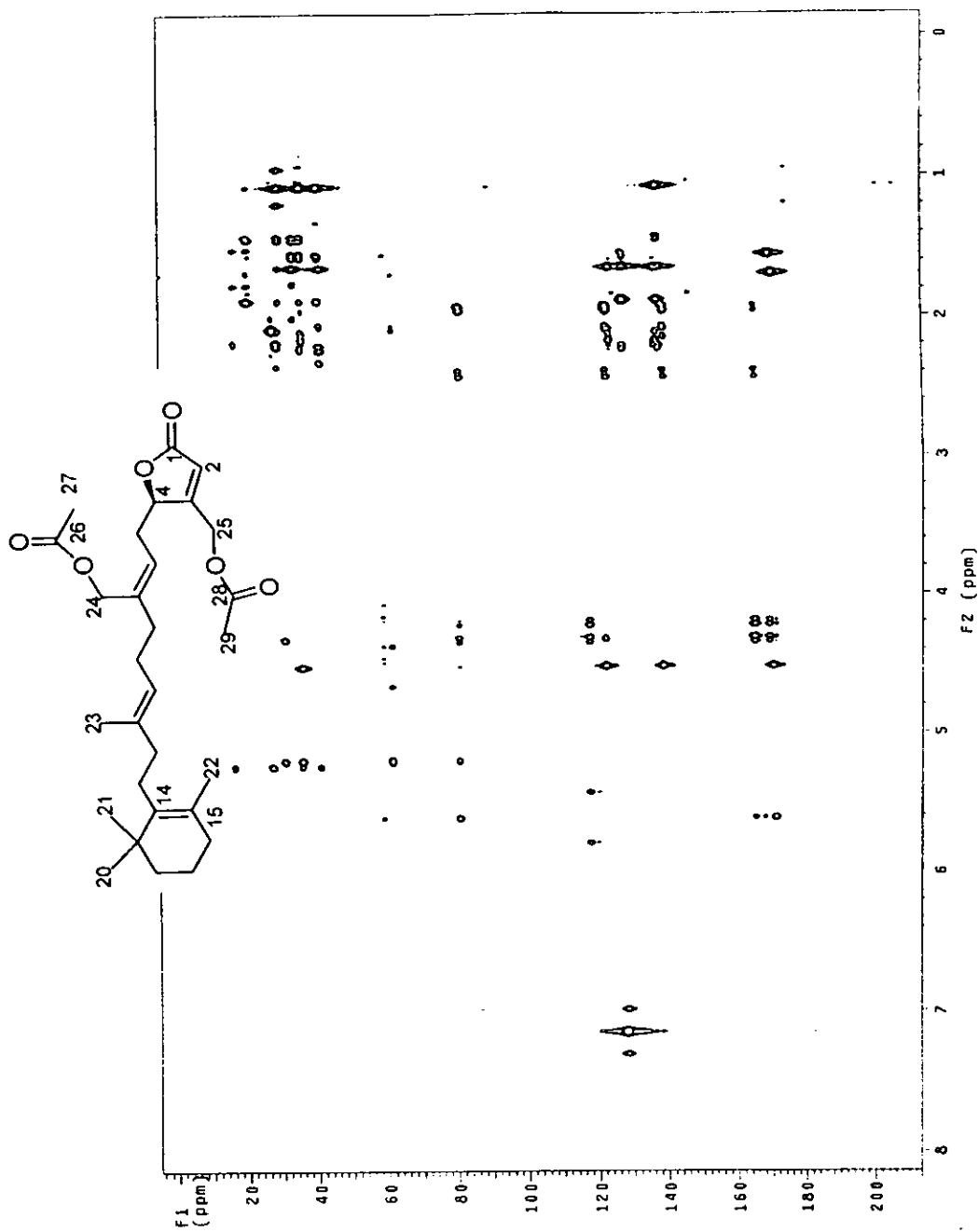


Figure 67 UV spectrum of 45 (MeOH)

Figure 68 ^1H - ^1H COSY spectrum of **45** (500 MHz; C_6D_6)

Figure 69 HMBC spectrum of 45 (500 MHz; C₆D₆)

Figure 70 HMBC spectrum of **45** (500 MHz; C_6D_6)

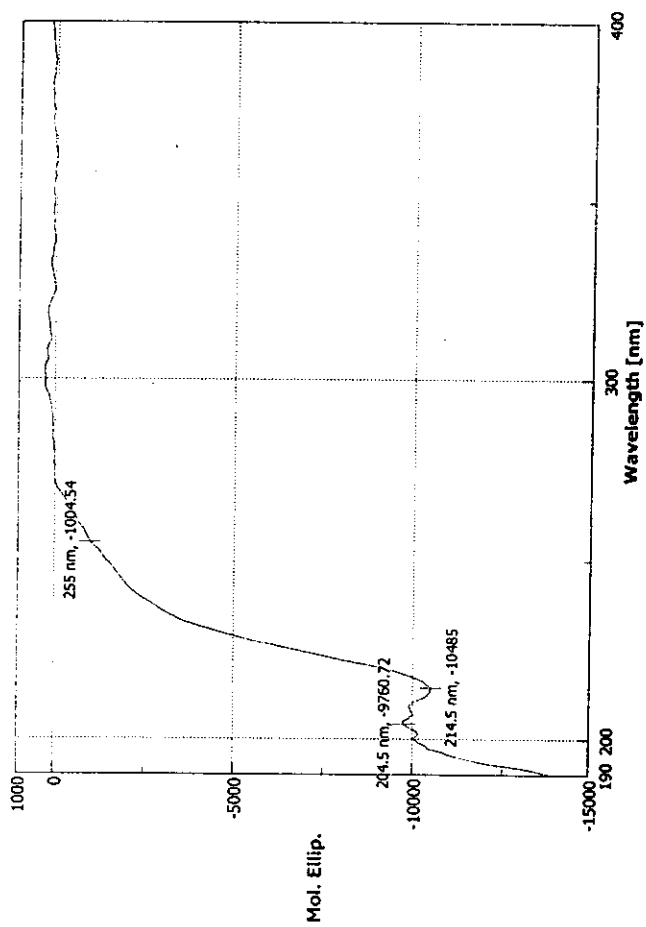


Figure 71 CD spectrum of 45 (MeOH)

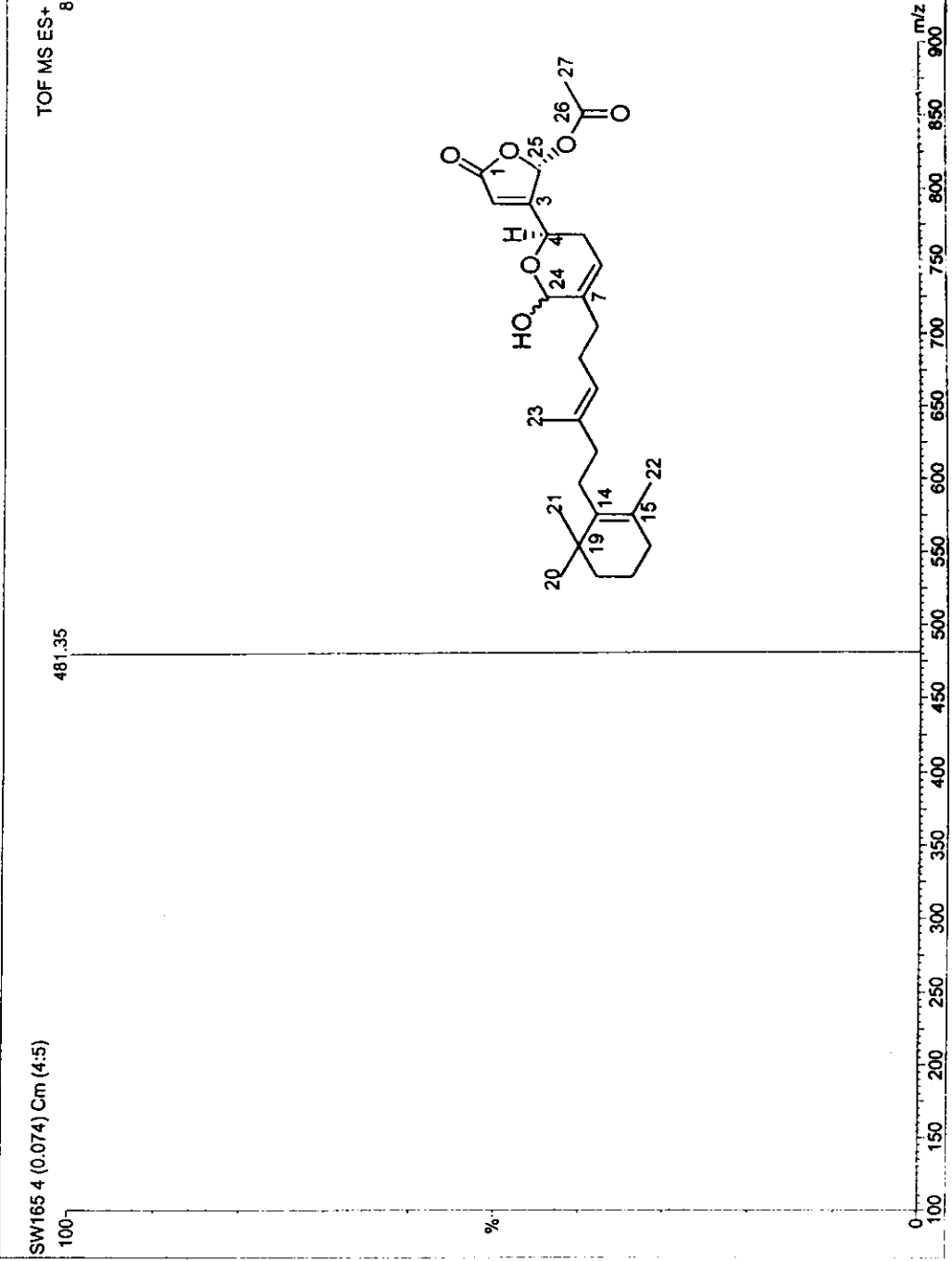


Figure 72 ESIMS spectrum of 46

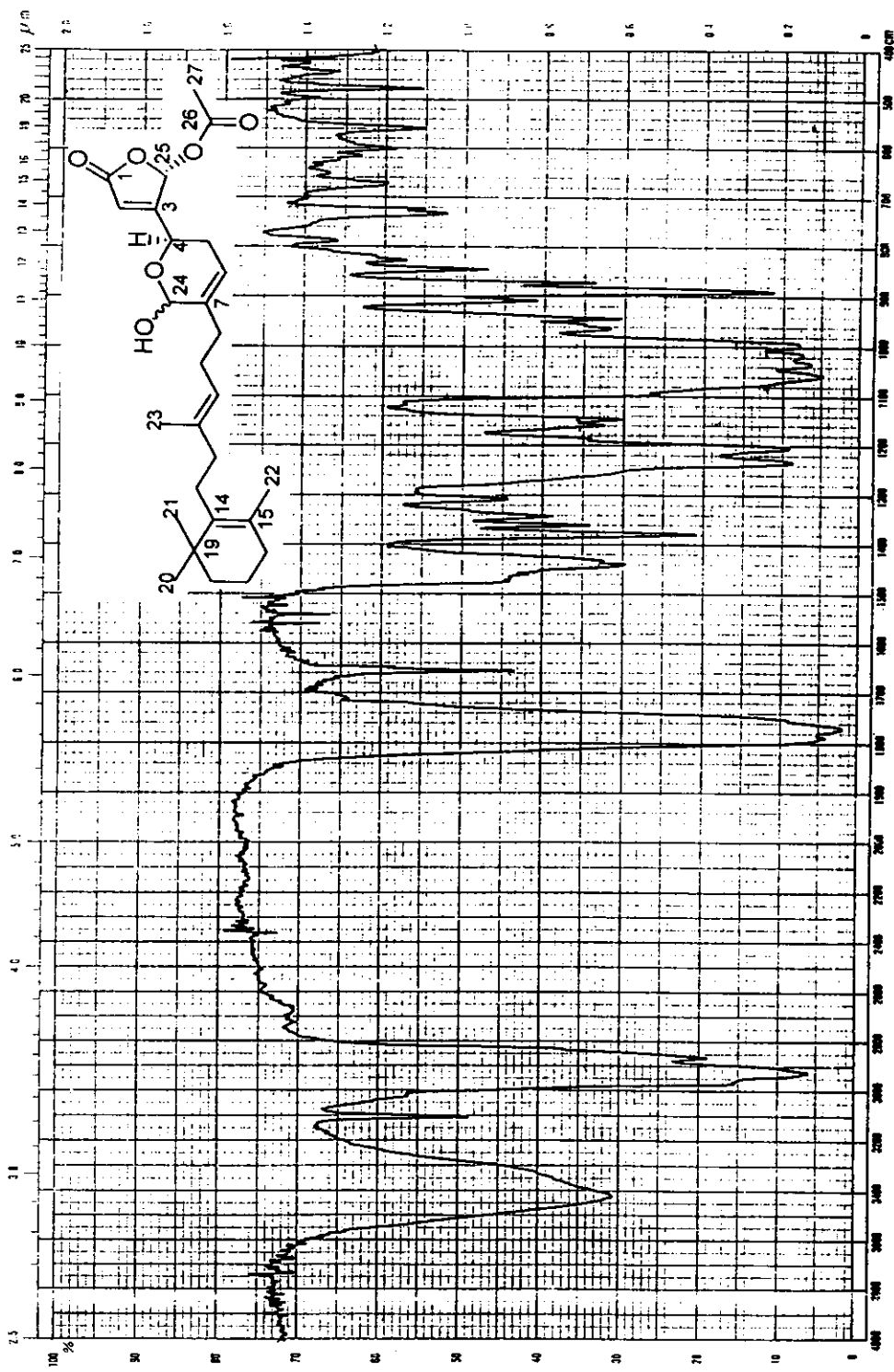


Figure 73 IR spectrum of 46 (thin film)

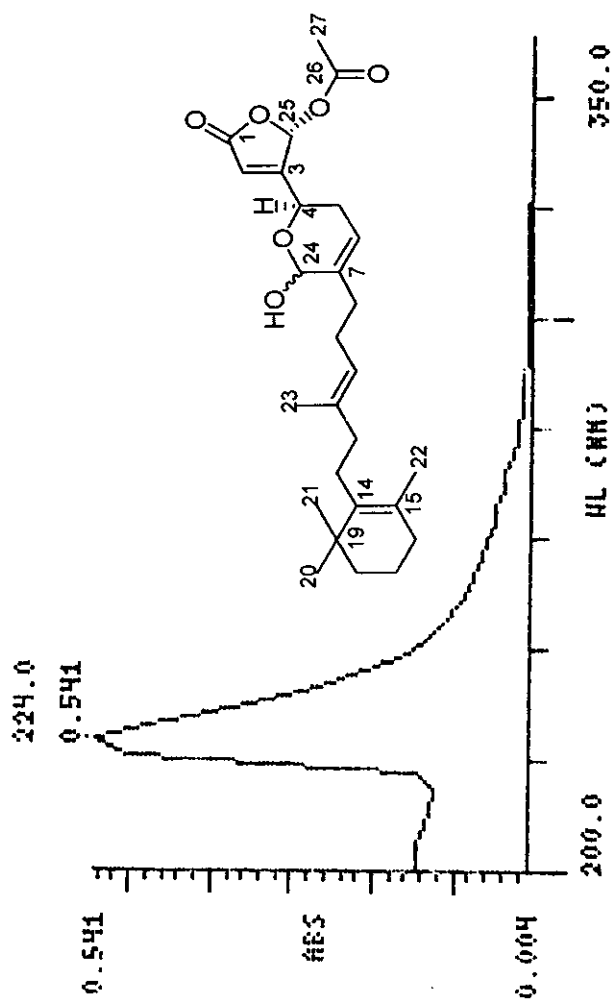
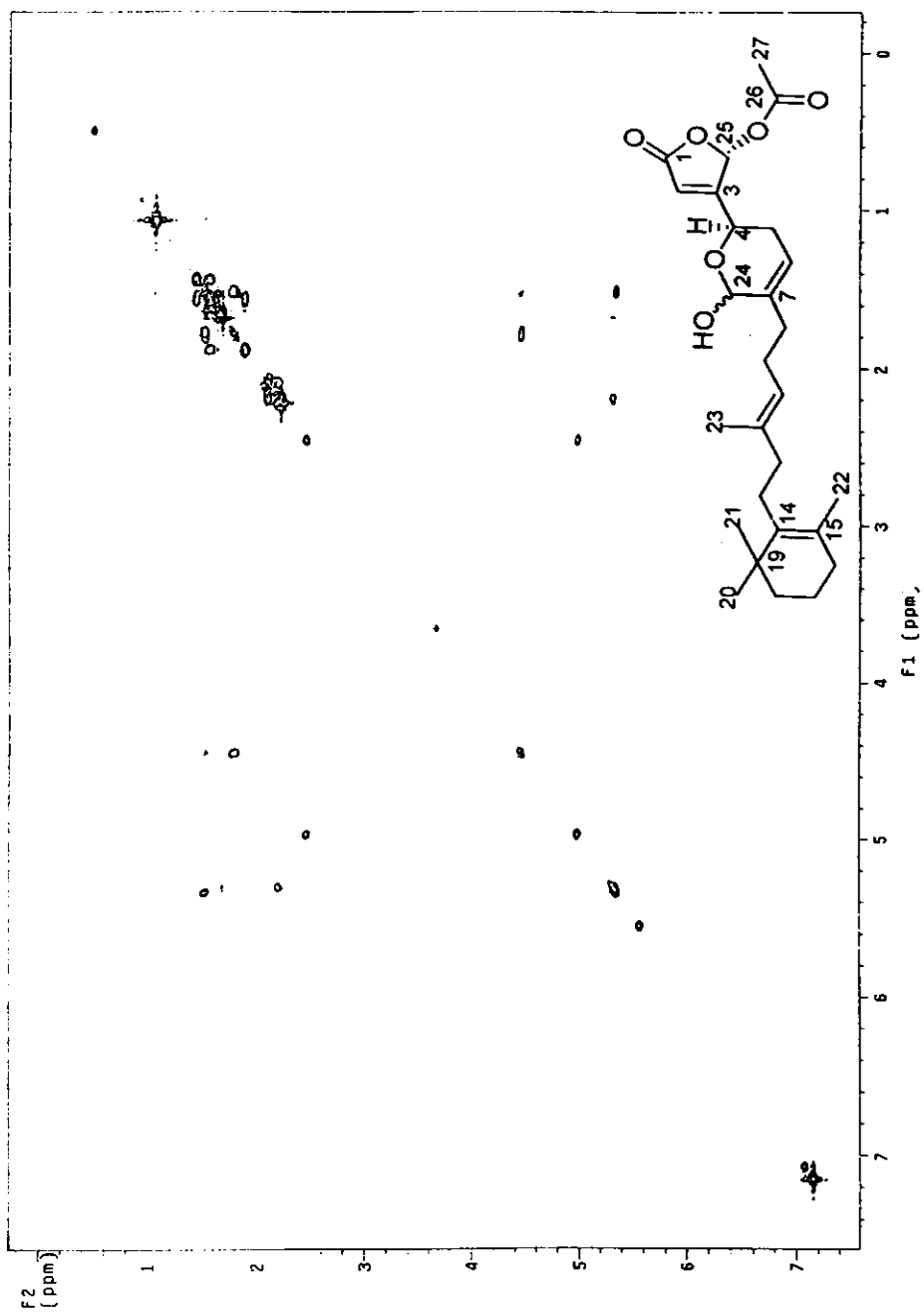
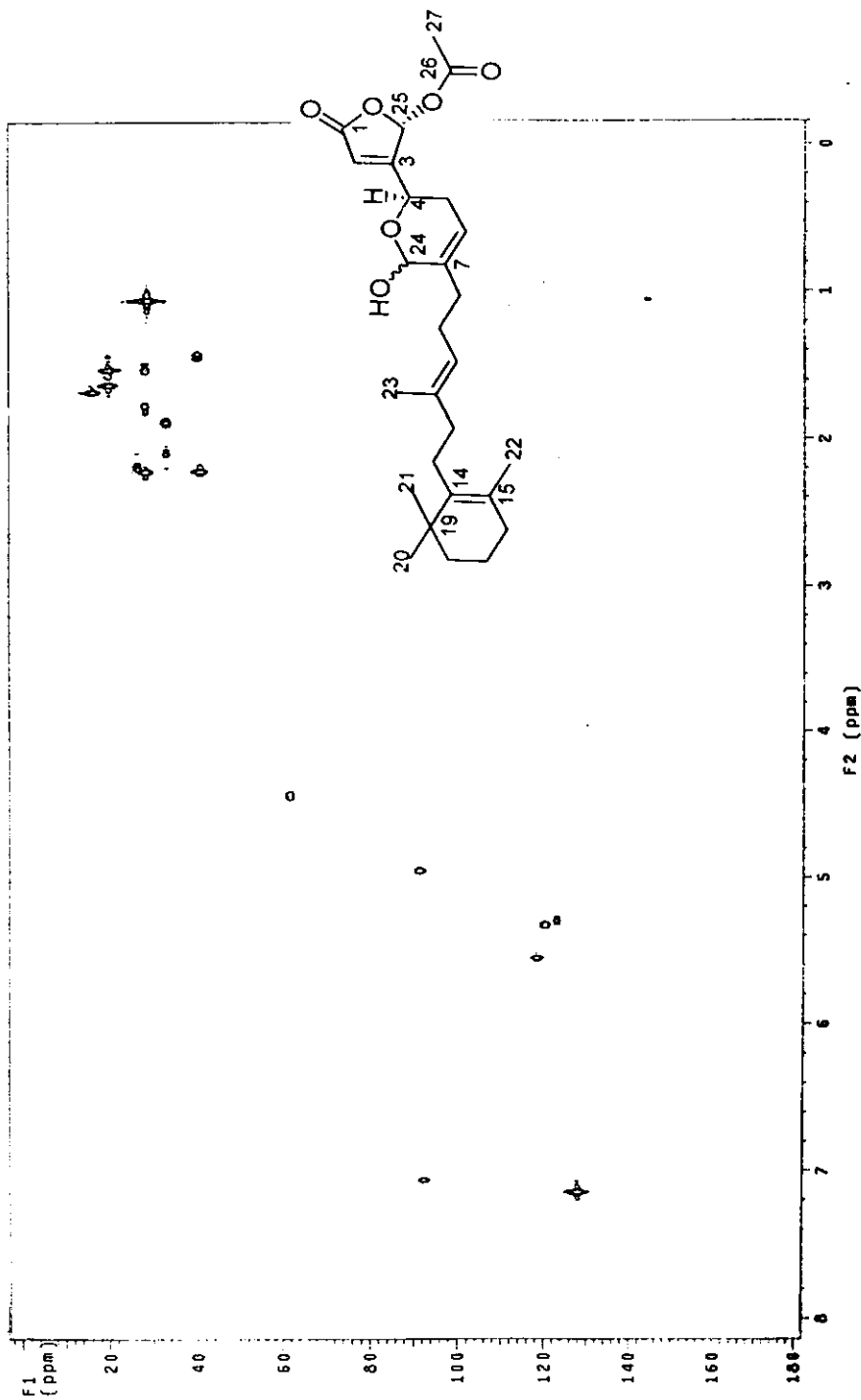
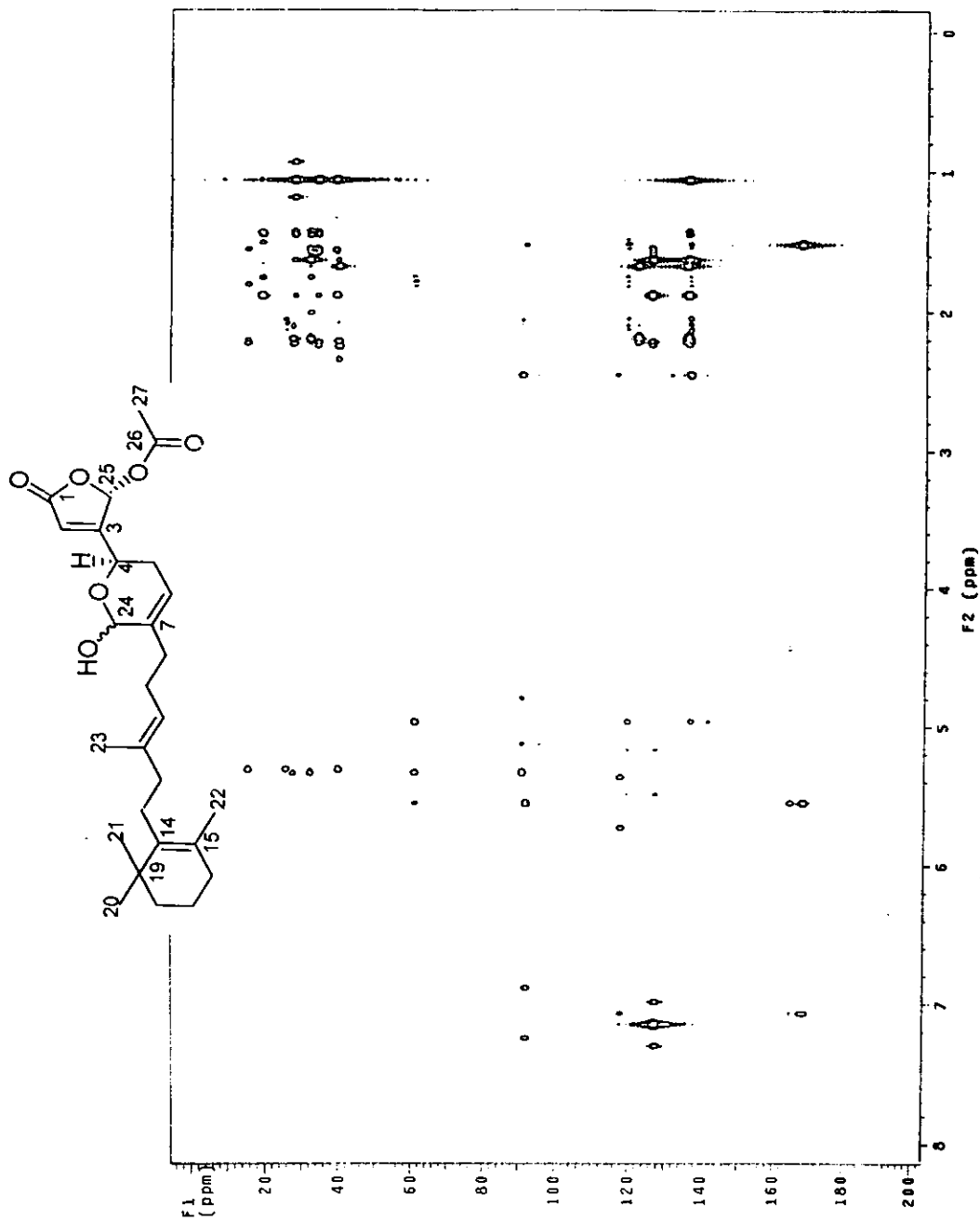


Figure 74 UV spectrum of 46 (MeOH)

Figure 75 ^1H - ^1H COSY spectrum of 46 (500 MHz; C_6D_6)

Figure 76 HMQC spectrum of 46 (500 MHz; C_6D_6)

Figure 77 HMBC spectrum of 46 (500 MHz; C_6D_6)