

## SUPPLEMENTARY MATERIAL

### Synthesis and Structure-Activity Relationship of Salvinal Derivatives as Potent Microtubule Inhibitors

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## CONTENT

**Figure S1.**  $^1\text{H}$ -NMR spectrum of compound **4** in  $\text{CDCl}_3$

**Figure S2.**  $^{13}\text{C}$ -NMR spectrum and DEPT of compound **4** in  $\text{CDCl}_3$

**Figure S3.** IR spectrum of compound **4**

**Figure S4.** Mass spectrum of compound **4**

**Figure S5.**  $^1\text{H}$ -NMR spectrum of compound **19** in  $\text{CDCl}_3$

**Figure S6.**  $^{13}\text{C}$ -NMR spectrum and DEPT of compound **19** in  $\text{CDCl}_3$

**Figure S7.** IR spectrum of compound **19**

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**Figure S9.**  $^1\text{H}$ -NMR spectrum of compound **20** in  $\text{CDCl}_3$

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**Figure S11.** IR spectrum of compound **20**

**Figure S12.** Mass spectrum of compound **20**

**Figure S13.**  $^1\text{H}$ -NMR spectrum of compound **25** in  $\text{CDCl}_3$

**Figure S14.**  $^{13}\text{C}$ -NMR spectrum and DEPT of compound **25** in  $\text{CDCl}_3$

**Figure S15.** IR spectrum of compound **25**

**Figure S16.** Mass spectrum of compound **25**

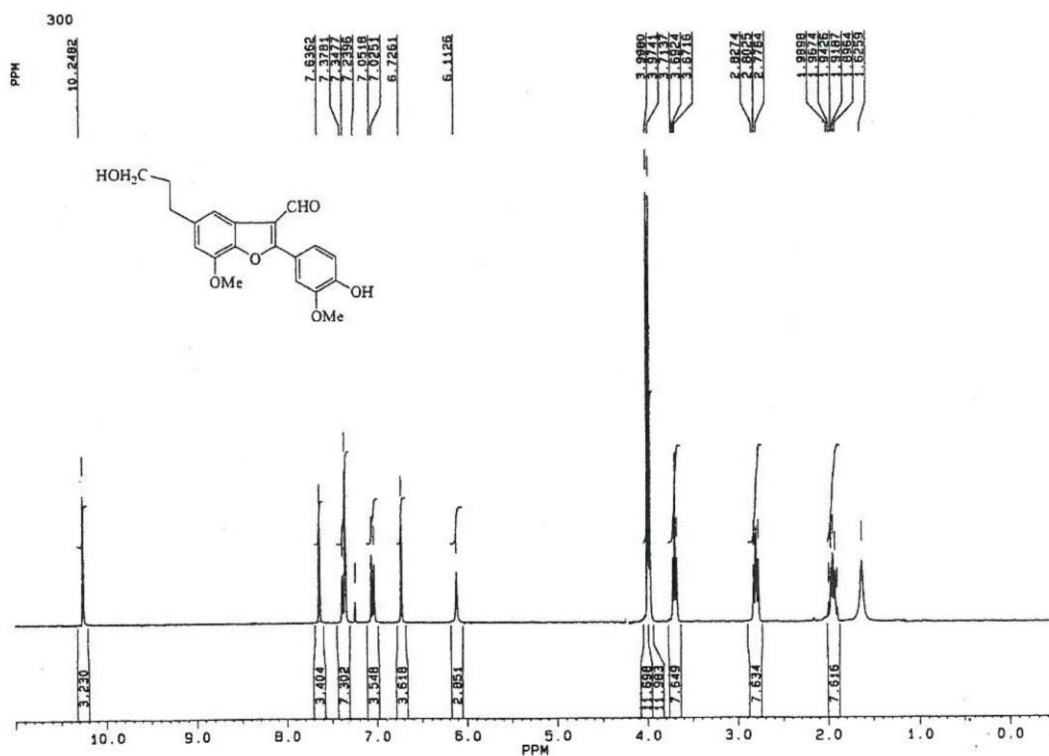


Figure S1. <sup>1</sup>H-NMR spectrum of compound 4 in CDCl<sub>3</sub>

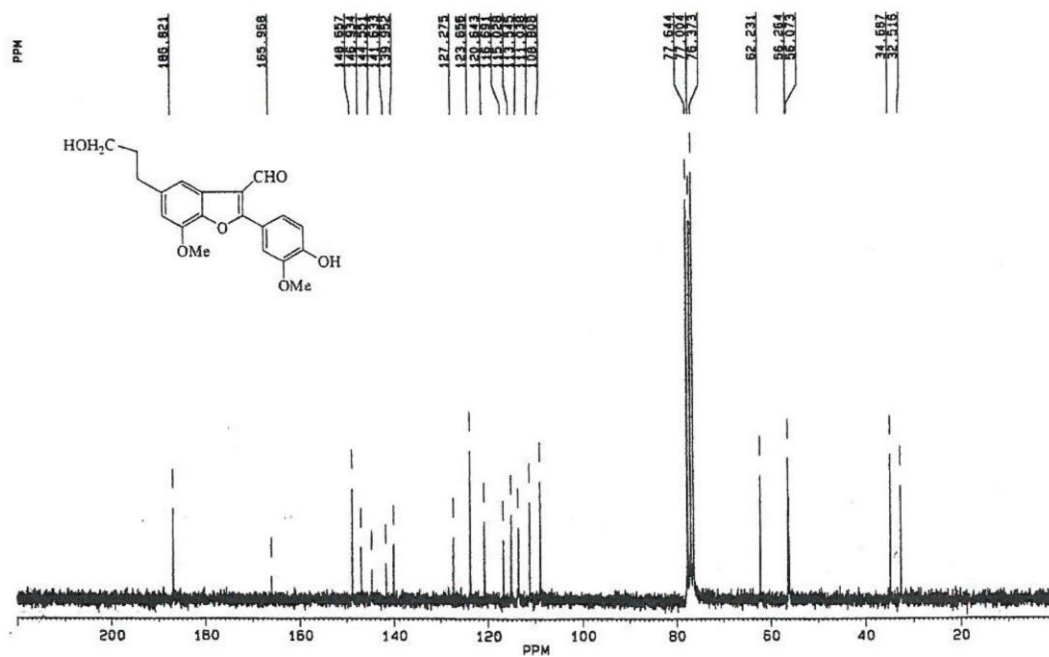


Figure S2. <sup>13</sup>C-NMR spectrum and DEPT of compound 4 in CDCl<sub>3</sub>

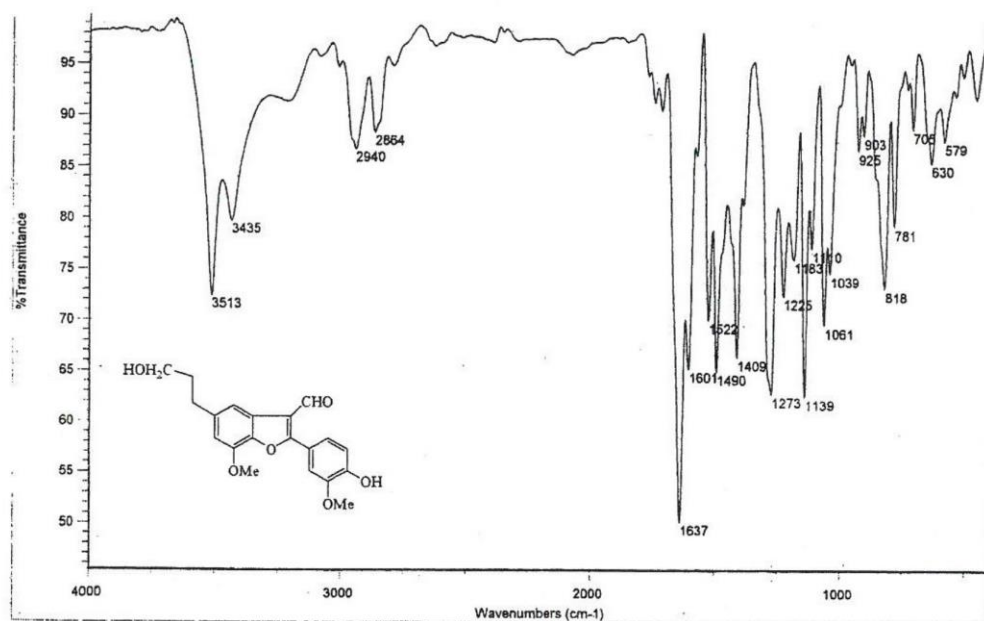


Figure S3. IR spectrum of compound 4

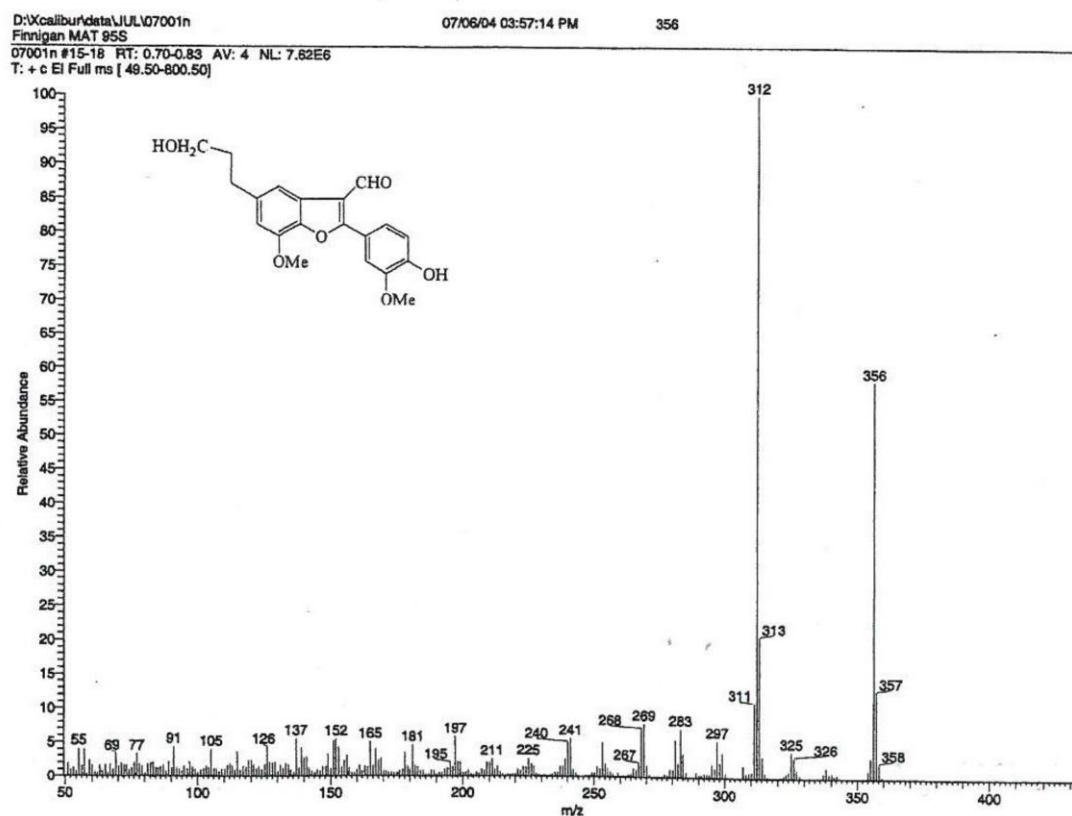


Figure S4. Mass spectrum of compound 4

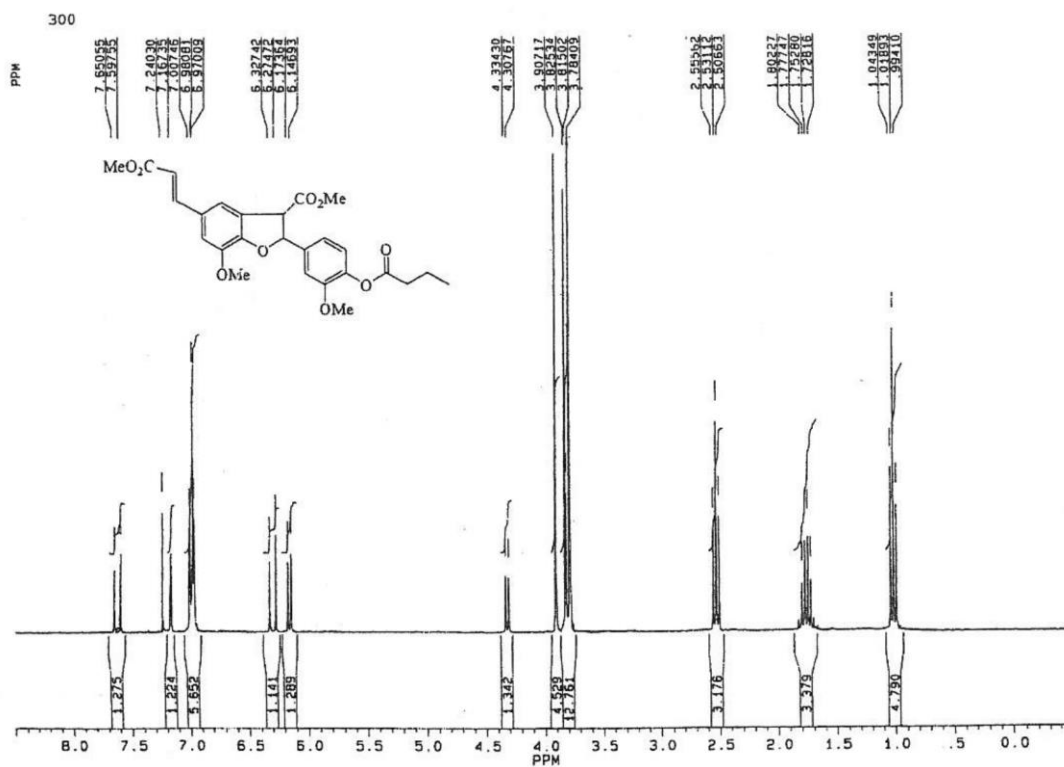


Figure S5. <sup>1</sup>H-NMR spectrum of compound 19 in CDCl<sub>3</sub>

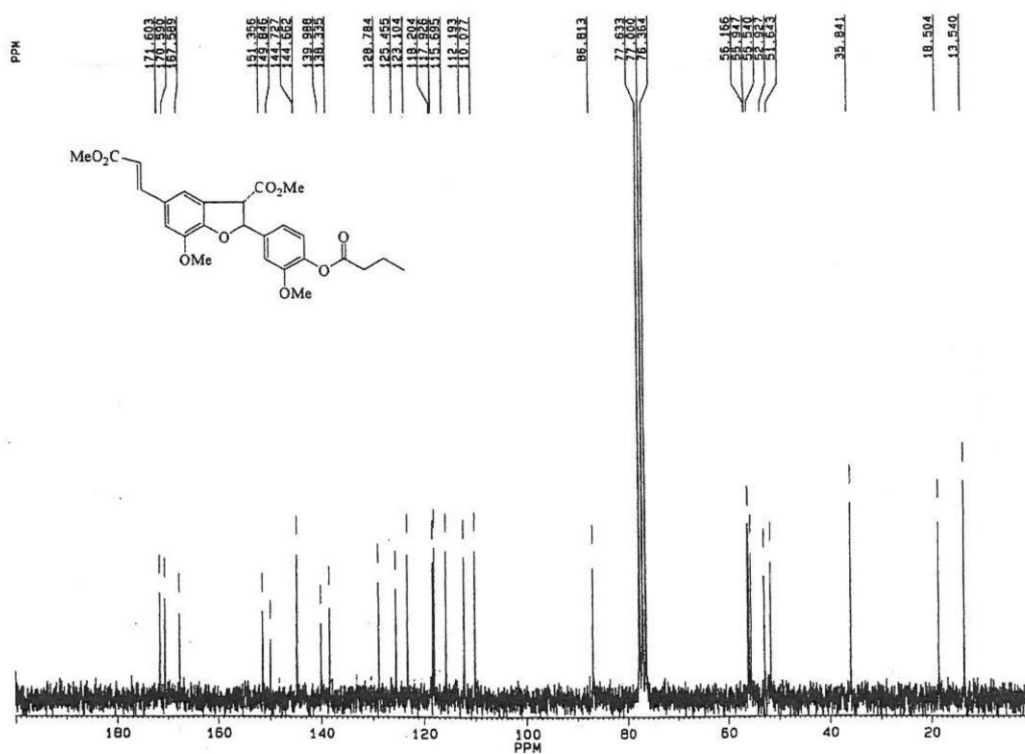


Figure S6. <sup>13</sup>C-NMR spectrum and DEPT of compound 19 in CDCl<sub>3</sub>

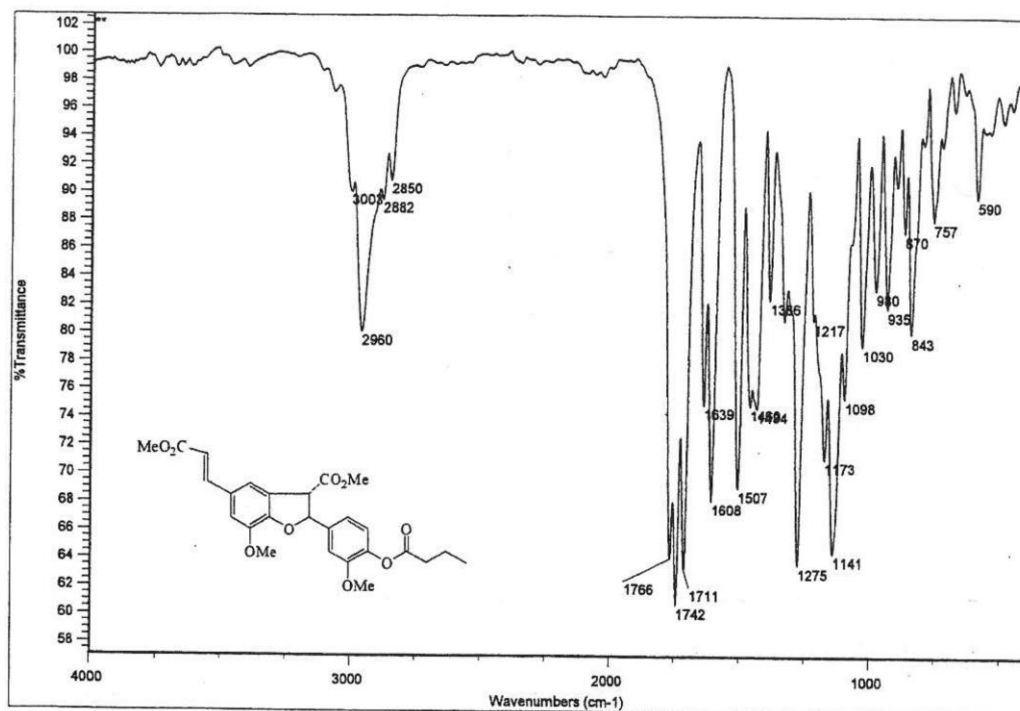


Figure S7. IR spectrum of compound 19

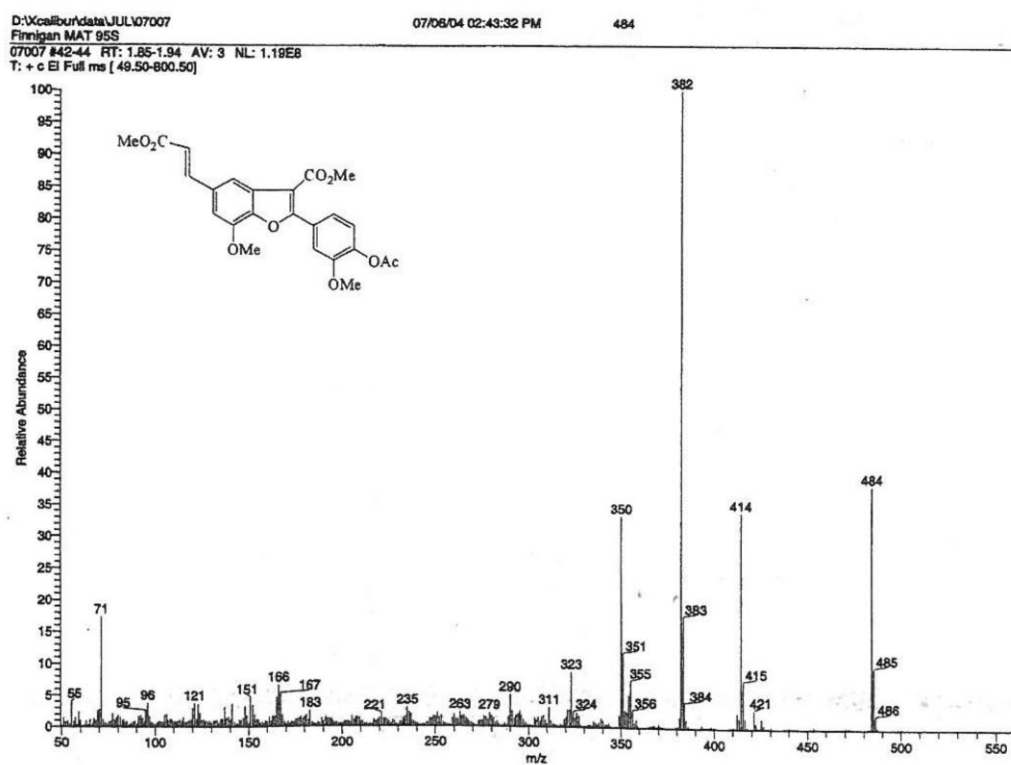


Figure S8. Mass spectrum of compound 19

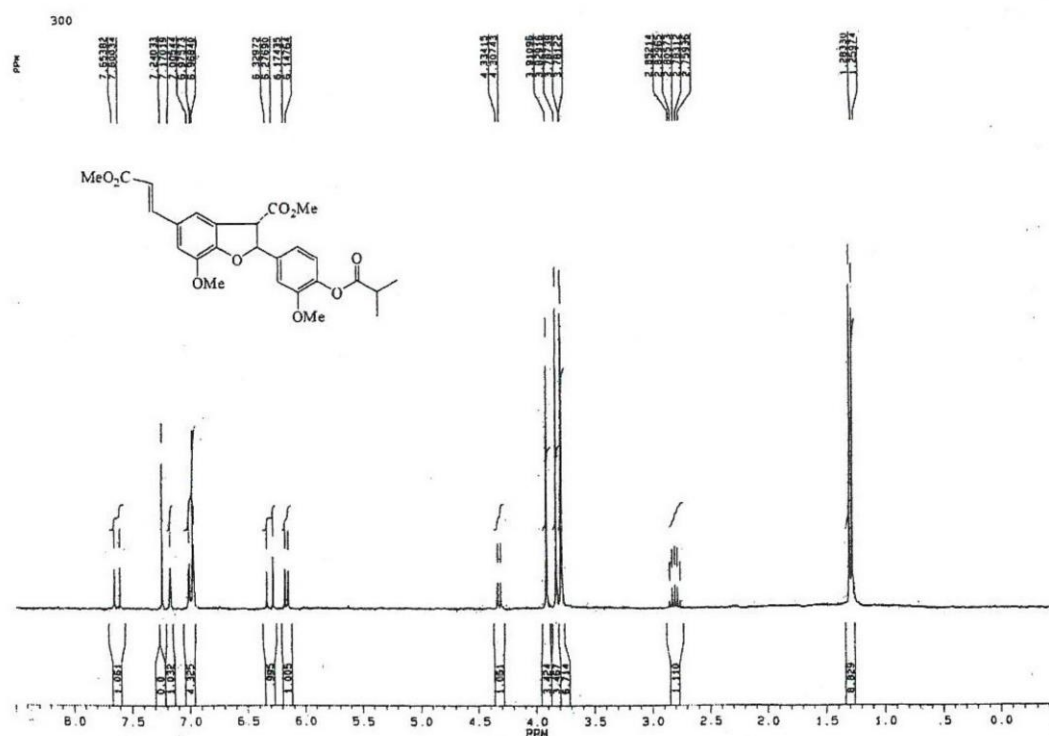


Figure S9. <sup>1</sup>H-NMR spectrum of compound 20 in CDCl<sub>3</sub>

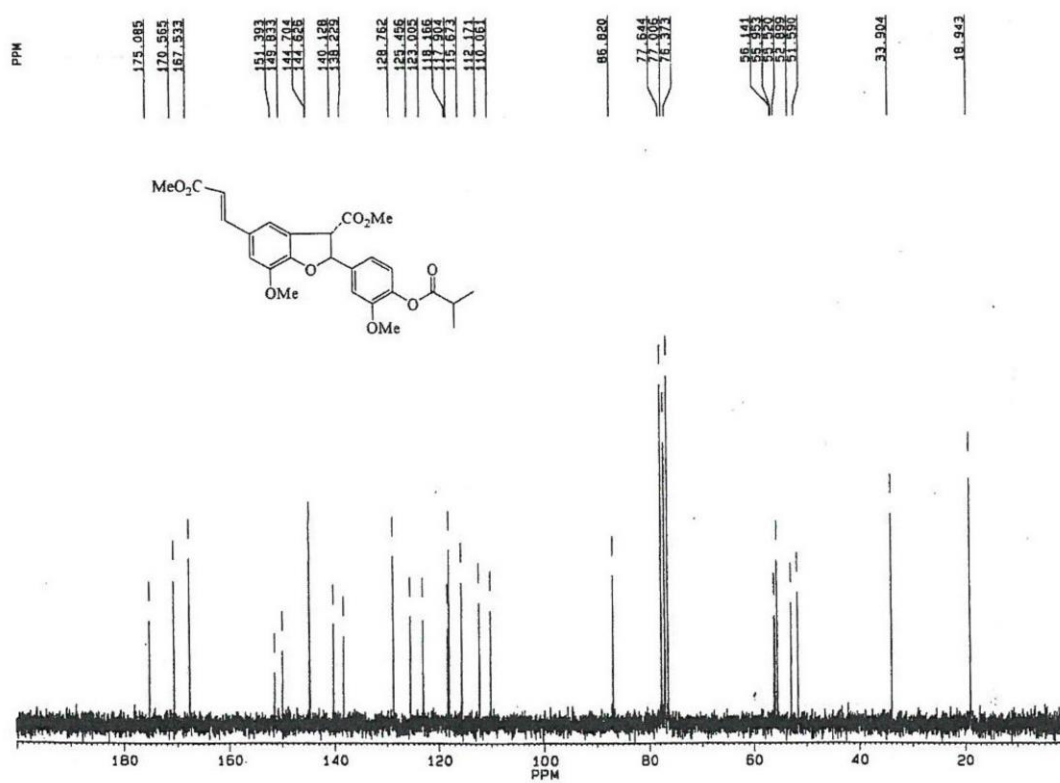


Figure S10. <sup>13</sup>C-NMR spectrum and DEPT of compound 20 in CDCl<sub>3</sub>

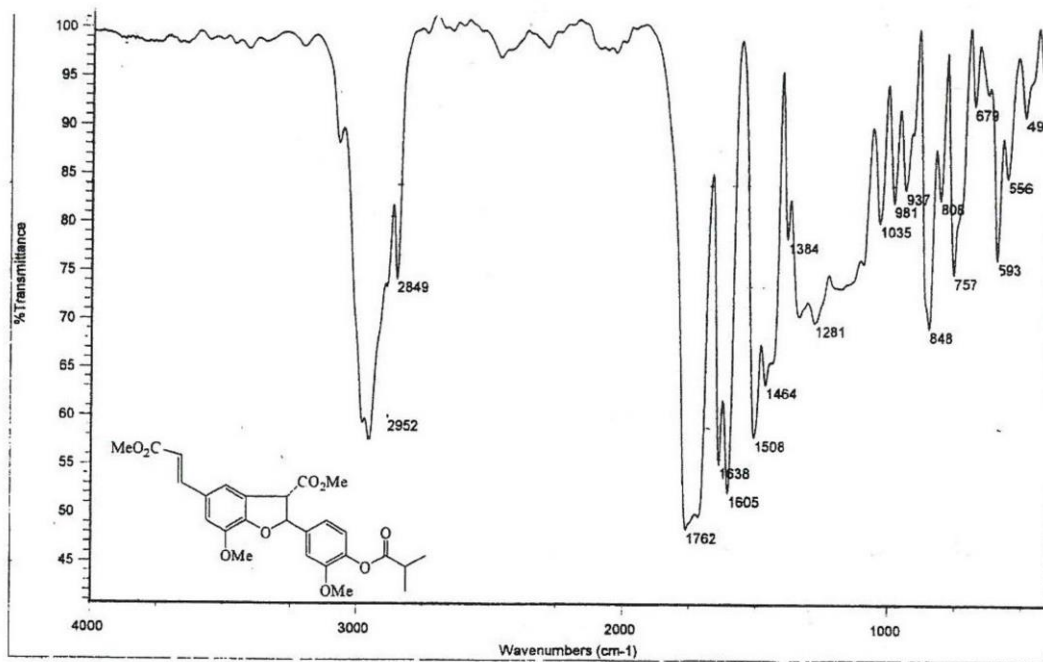


Figure S11. IR spectrum of compound 20

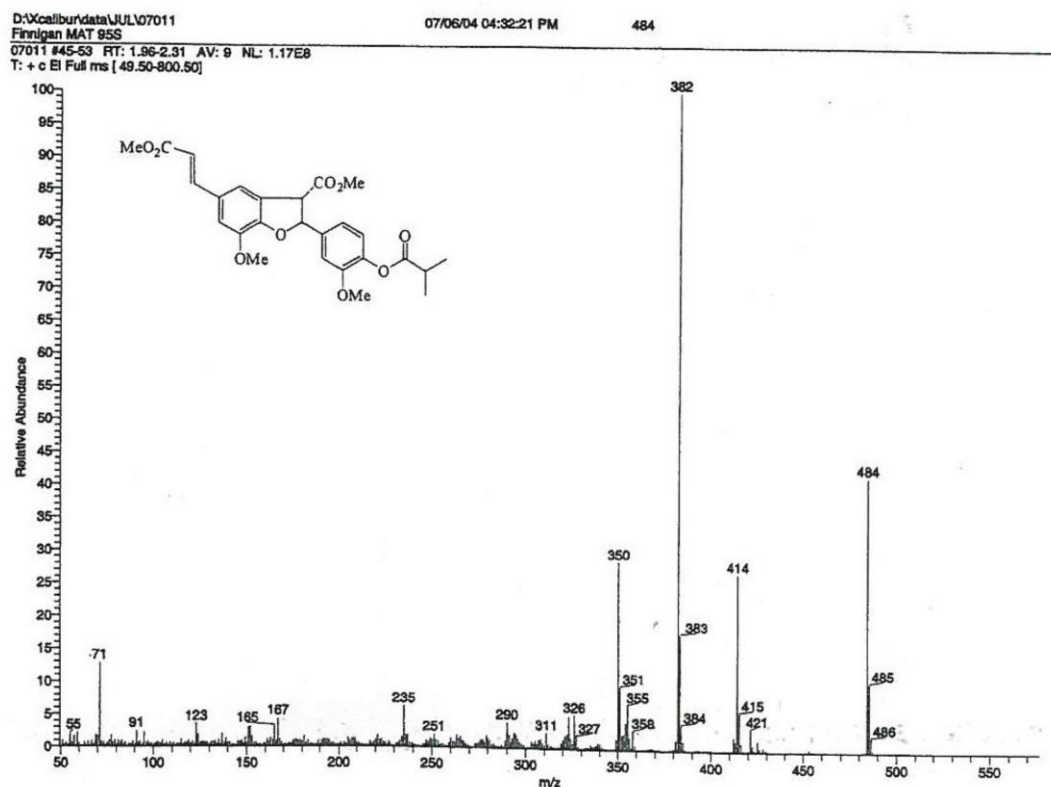
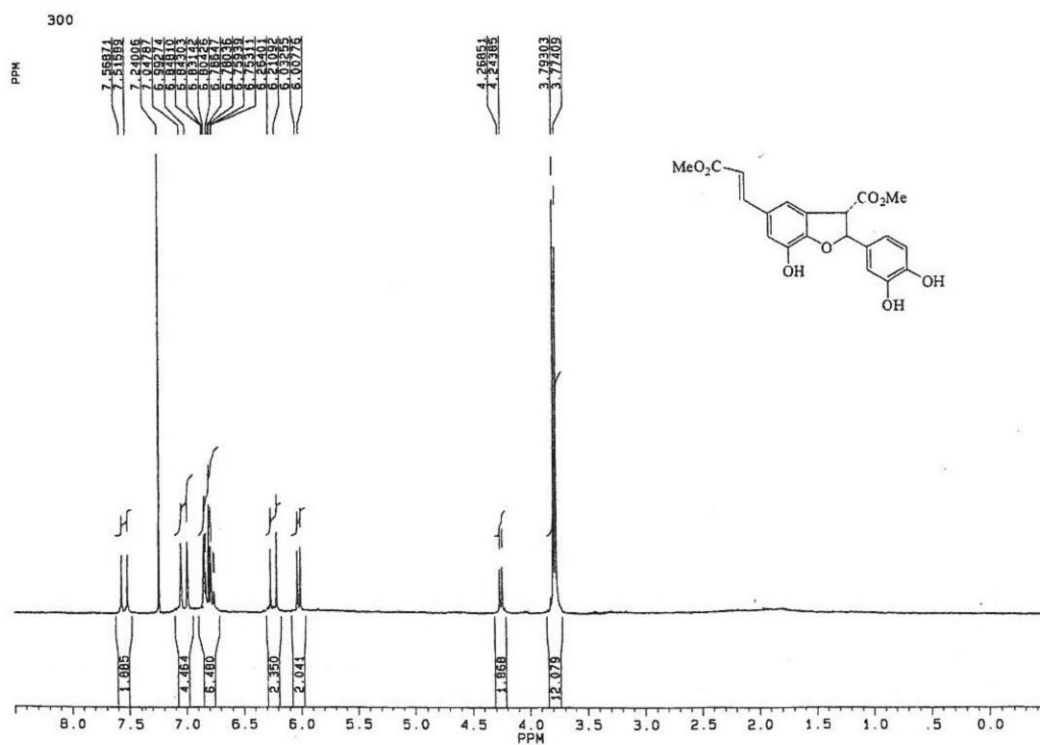
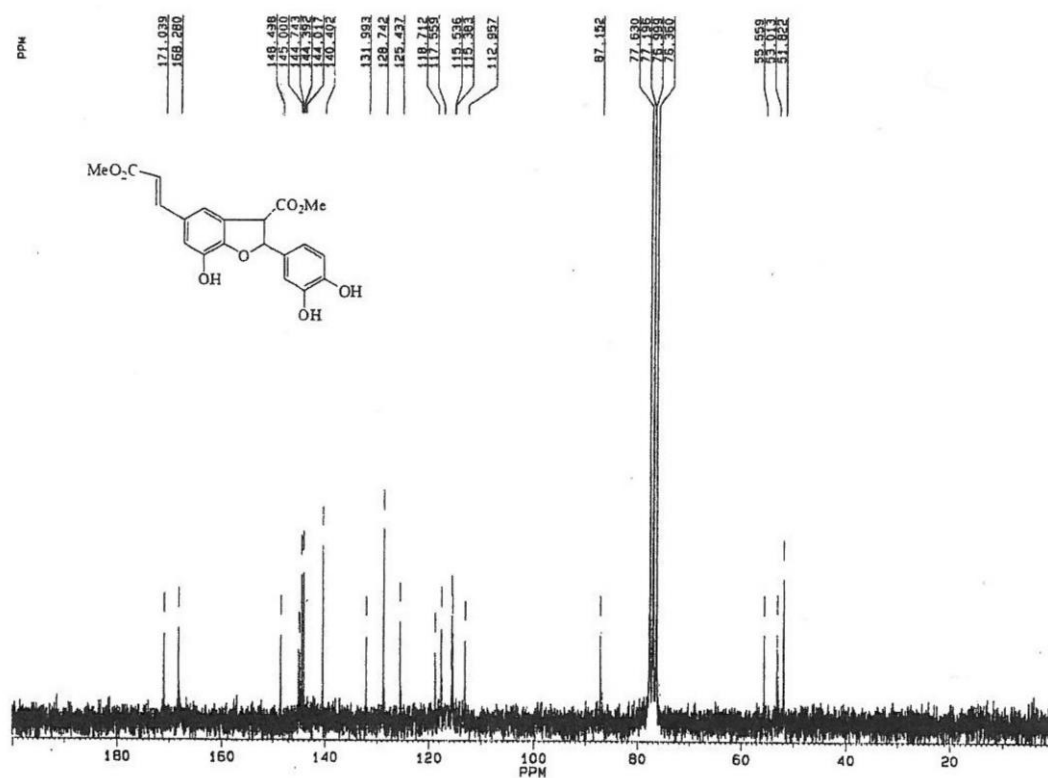


Figure S12. Mass spectrum of compound 20





**Figure S13.** <sup>1</sup>H-NMR spectrum of compound **25** in CDCl<sub>3</sub>



**Figure S14.** <sup>13</sup>C-NMR spectrum and DEPT of compound **25** in CDCl<sub>3</sub>

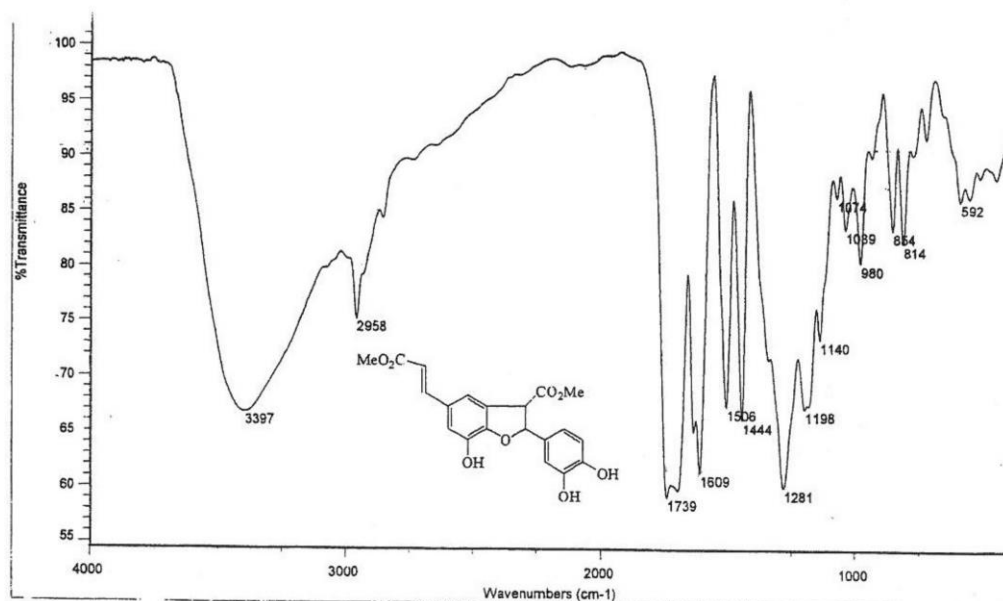


Figure S15. IR spectrum of compound 25

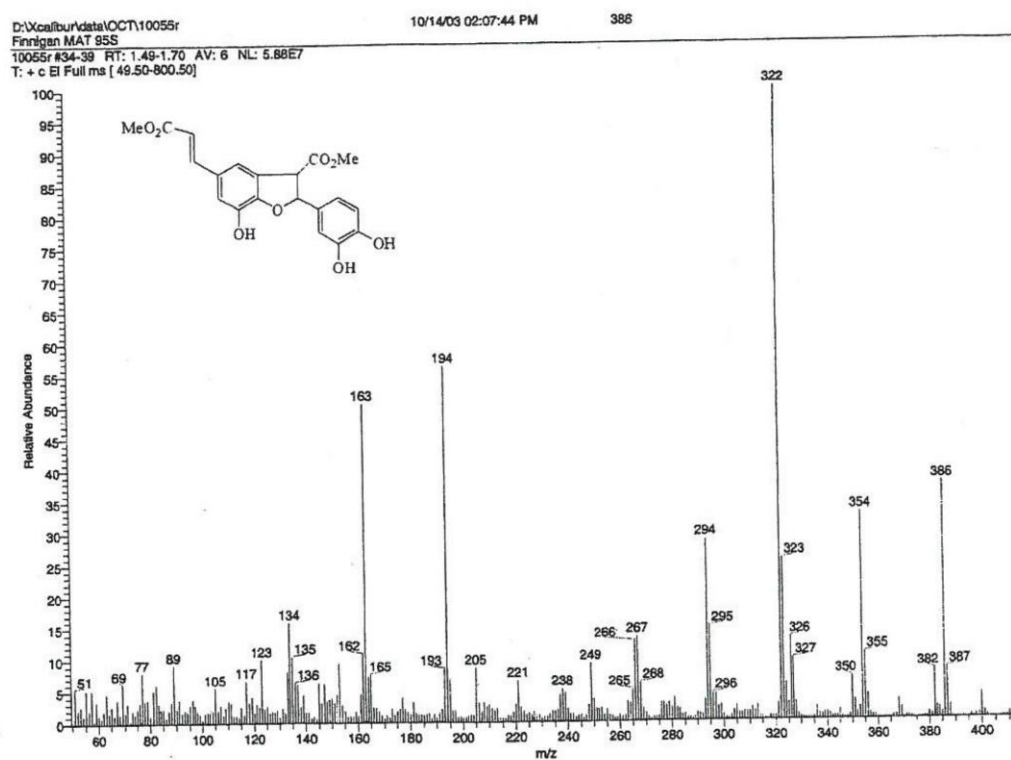


Figure S16. Mass spectrum of compound 25