

Supporting Information

Wound Healing Potential of Herbal Hydrogel Formulations of *Cedrus brevifolia* Extracts in Mice

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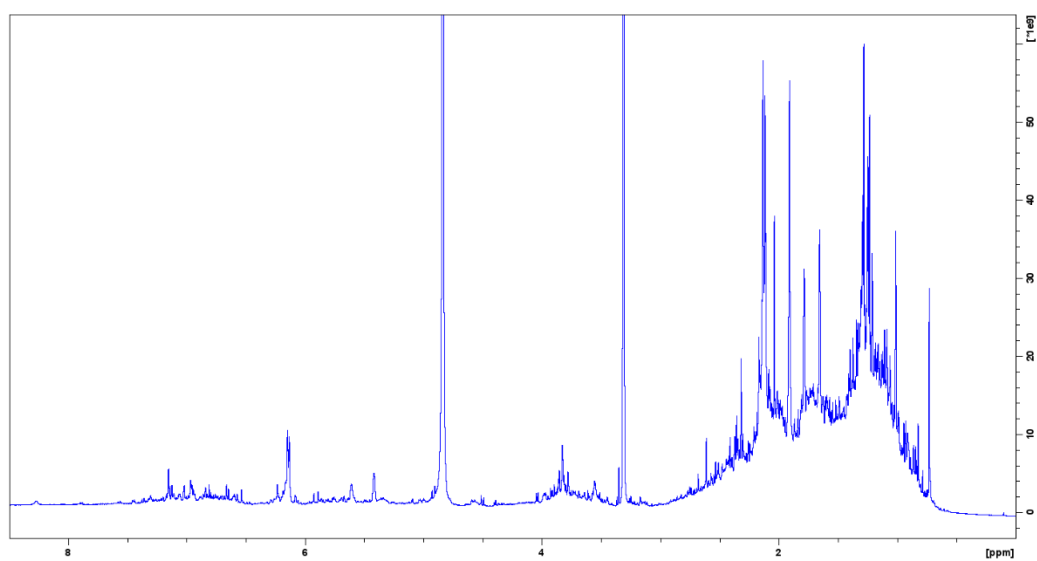


Figure S1. ^1H -NMR (400 MHz, MeOD) spectrum of the ethanol extract of heartwood

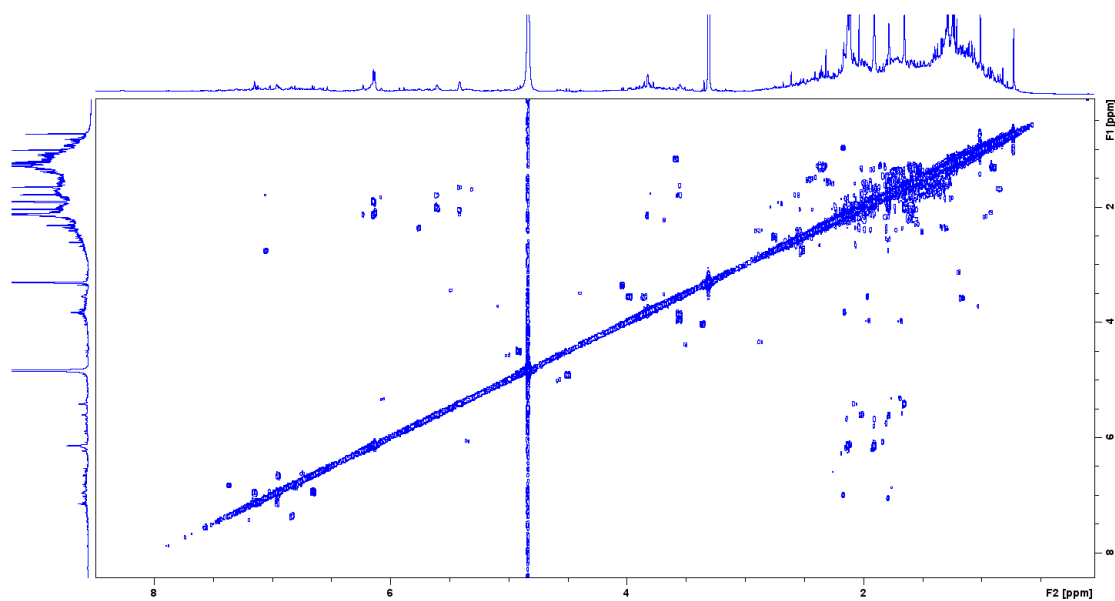


Figure S2. ^1H - ^1H COSY (MeOD) spectrum of the ethanol extract of heartwood

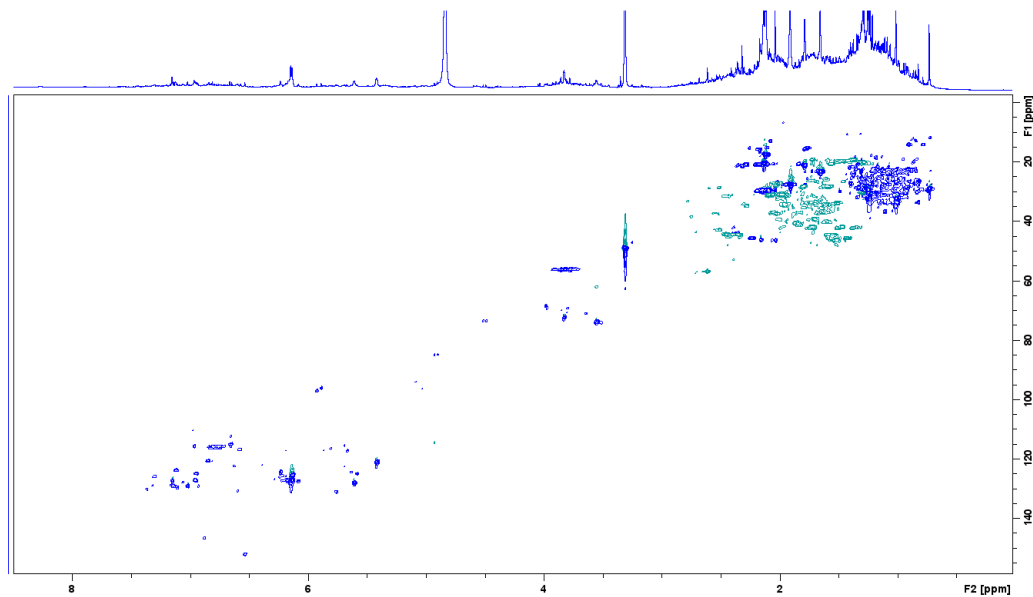


Figure S3. HSQC (MeOD) spectrum of spectrum of the ethanol extract of heartwood

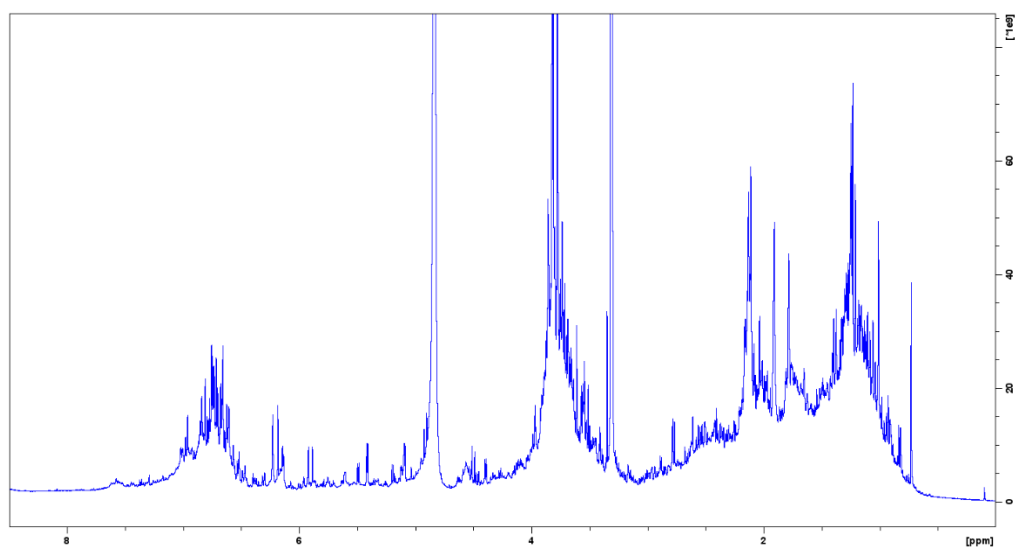


Figure S4. ^1H -NMR (400 MHz, MeOD) spectrum of the H_2O extract of heartwood

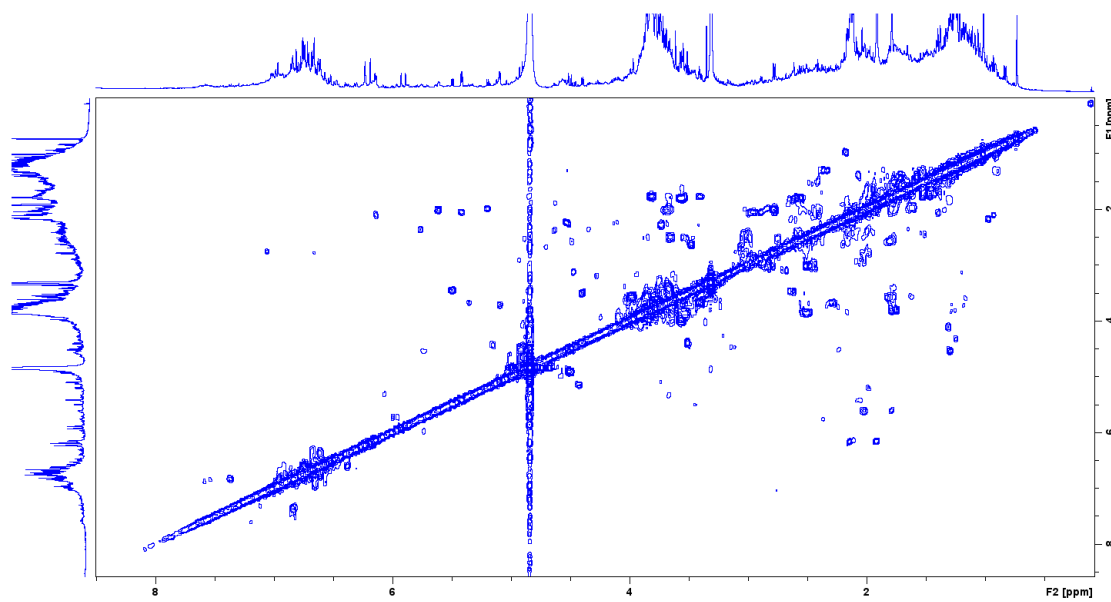


Figure S5. ^1H - ^1H COSY (MeOD) spectrum of the H_2O extract of heartwood

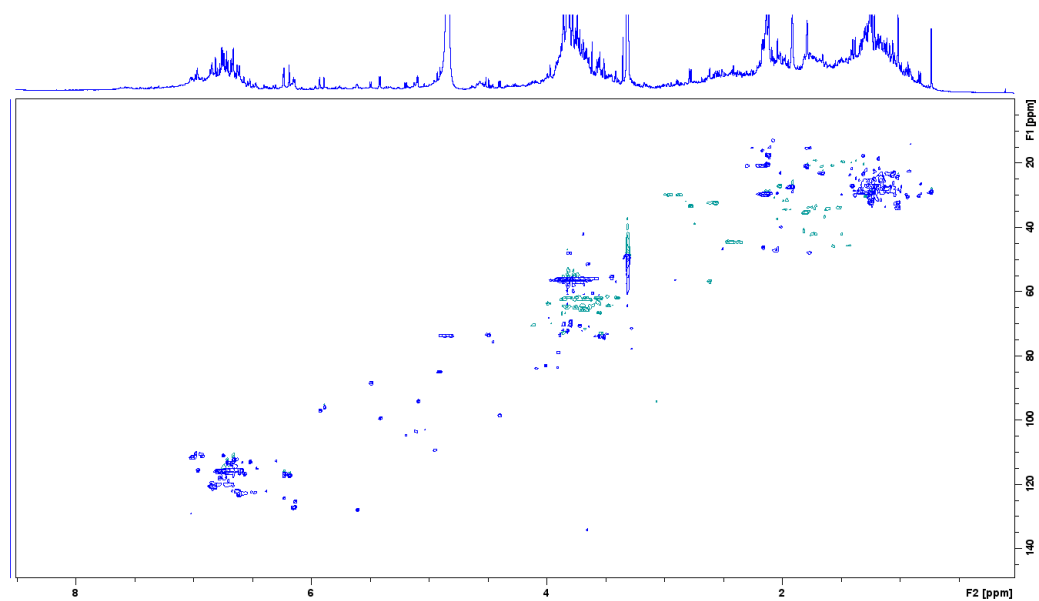


Figure S6. HSQC (MeOD) spectrum of spectrum of the H₂O extract of heartwood

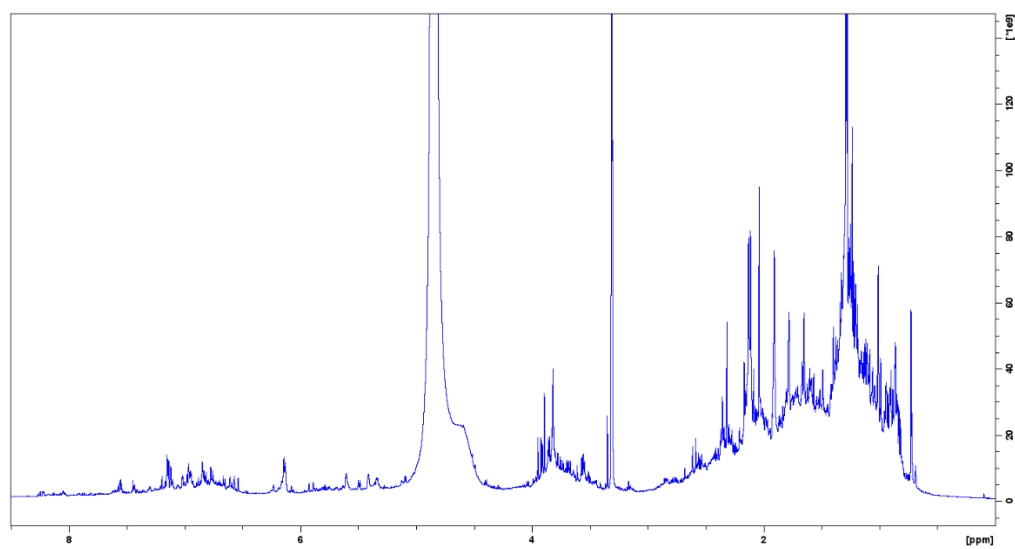


Figure S7. ¹H-NMR (400 MHz, MeOD) spectrum of the ethanol extract of sapwood

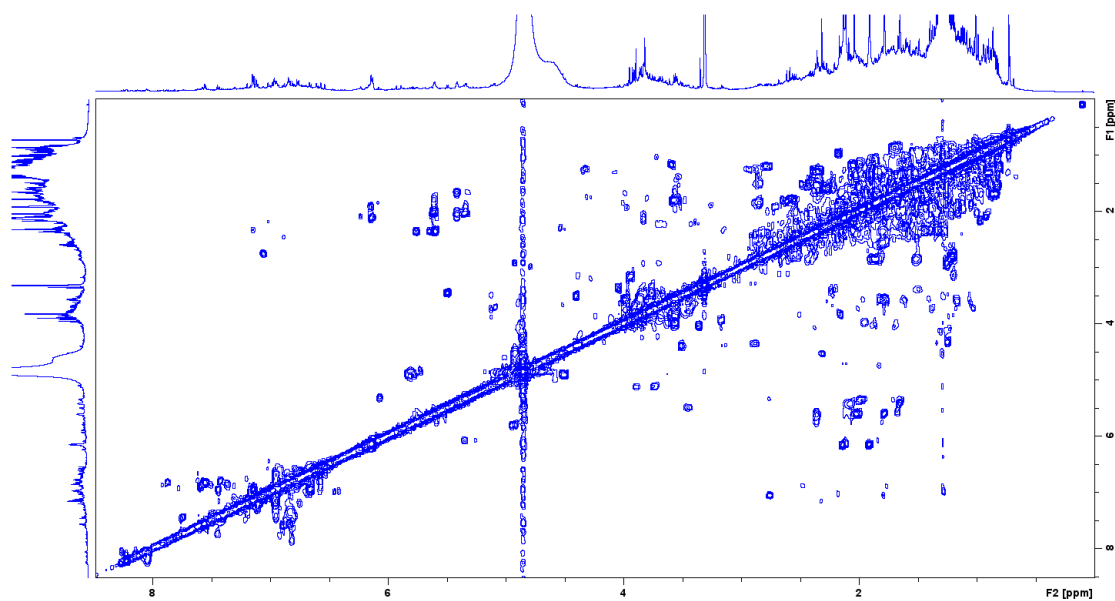


Figure S8. ^1H - ^1H COSY (MeOD) spectrum of the ethanol extract of sapwood

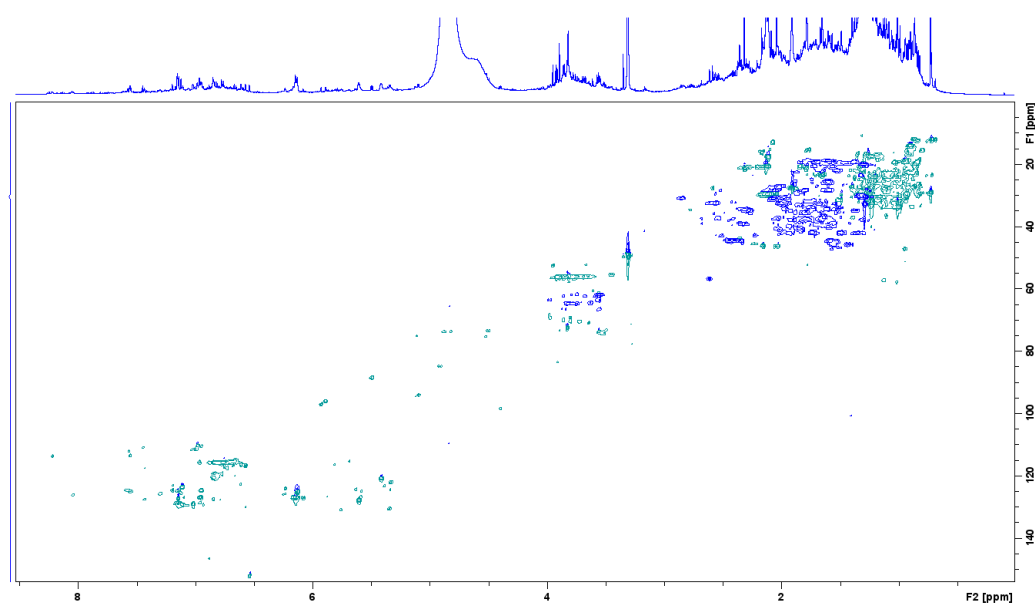


Figure S9. HSQC (MeOD) spectrum of spectrum of the ethanol extract of sapwood

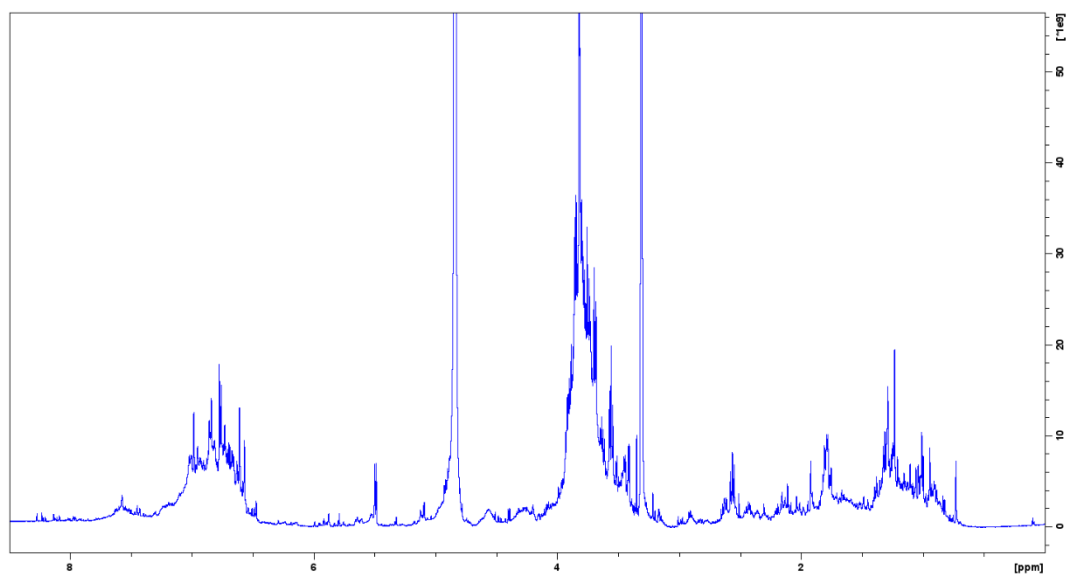


Figure S10. ^1H -NMR (400 MHz, MeOD) spectrum of the H_2O extract of sapwood

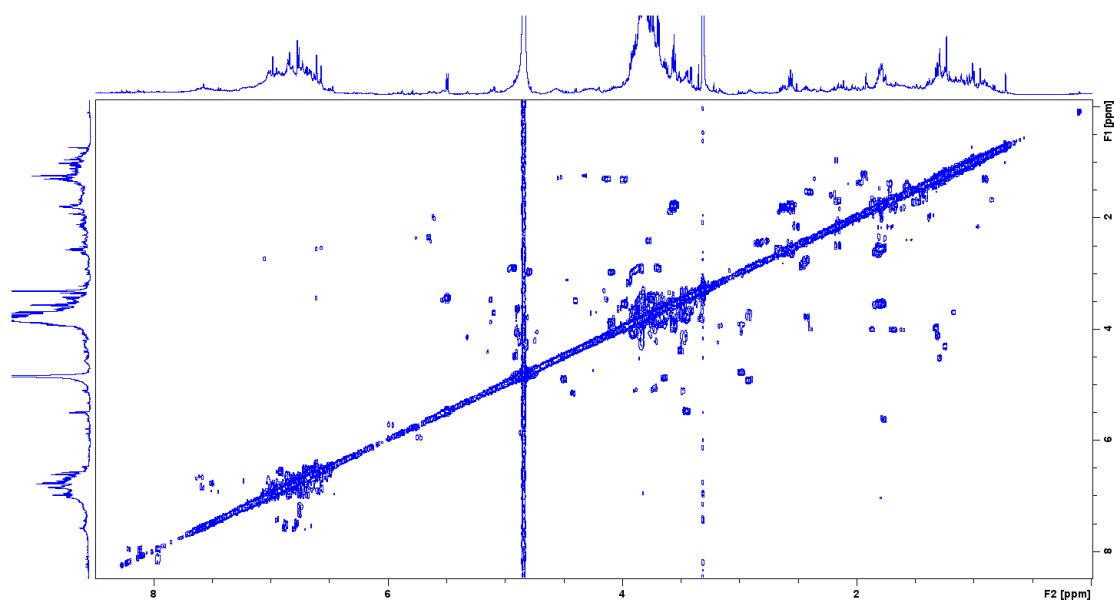


Figure S11. ^1H - ^1H COSY (MeOD) spectrum of the H_2O extract of sapwood

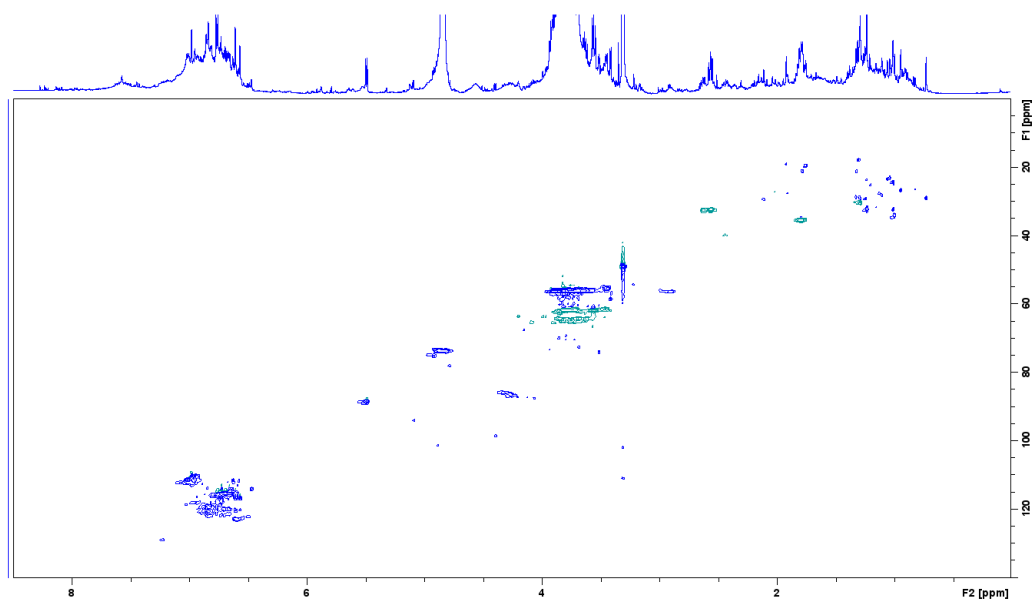


Figure S12. HSQC (MeOD) spectrum of spectrum of the H₂O extract of sapwood

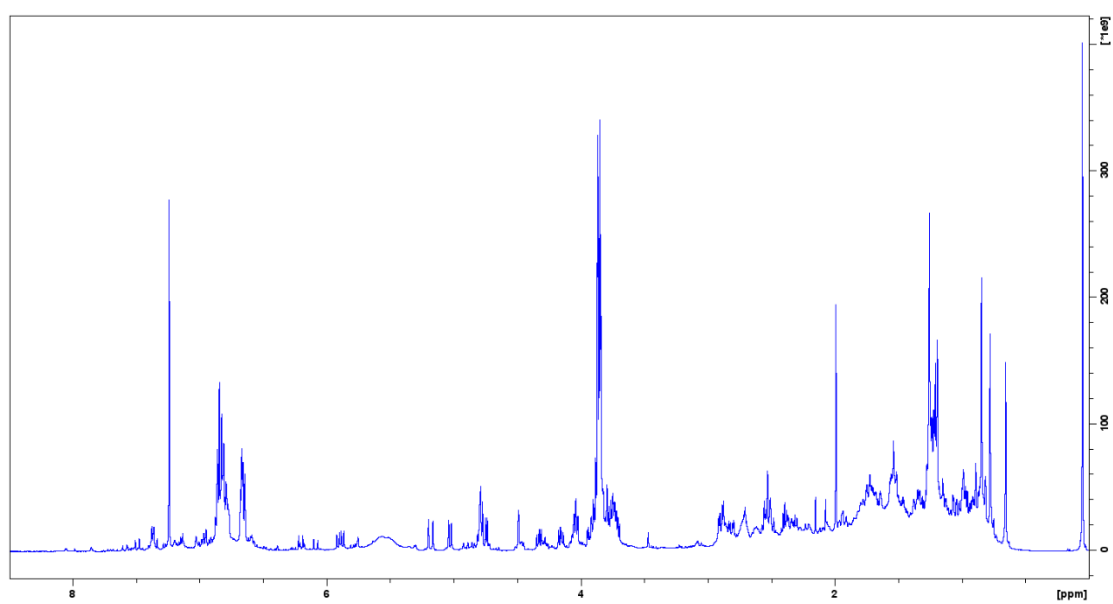


Figure S13. ¹H-NMR (400 MHz, CDCl₃) spectrum of the resin

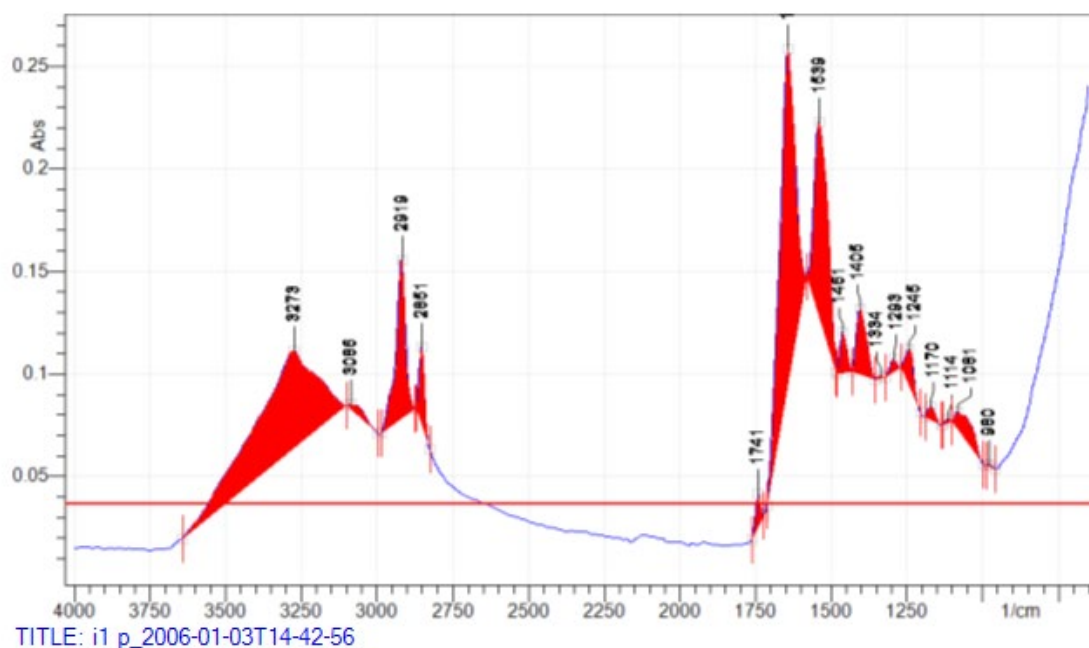


Figure S14. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for healthy skin. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

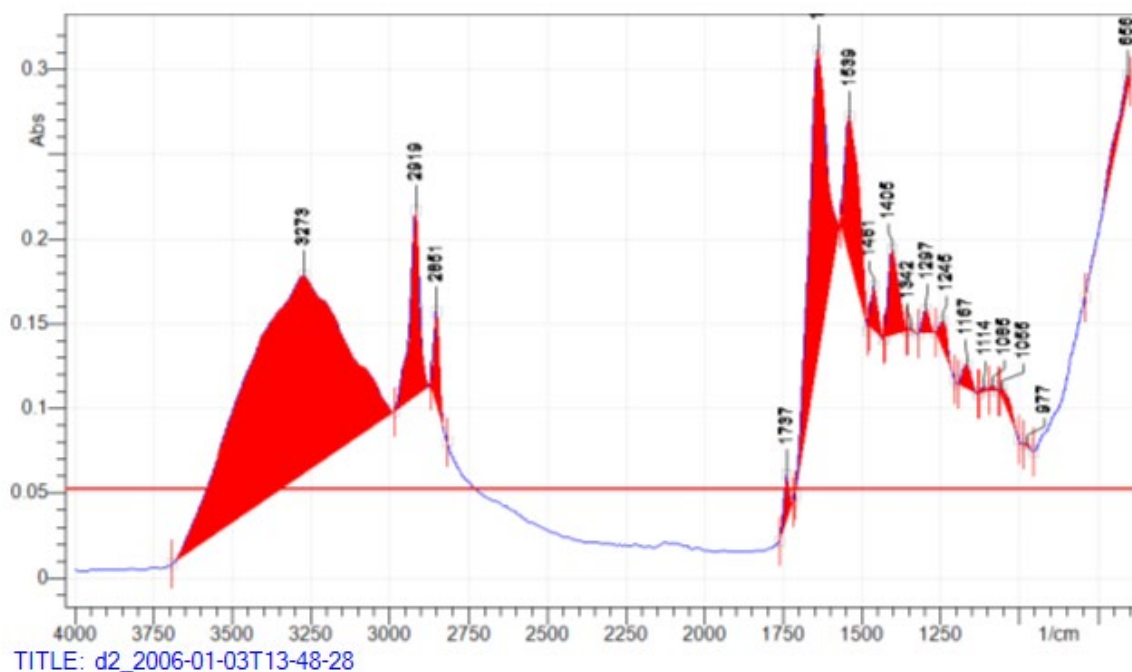


Figure S15. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the control group (untreated mice). Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

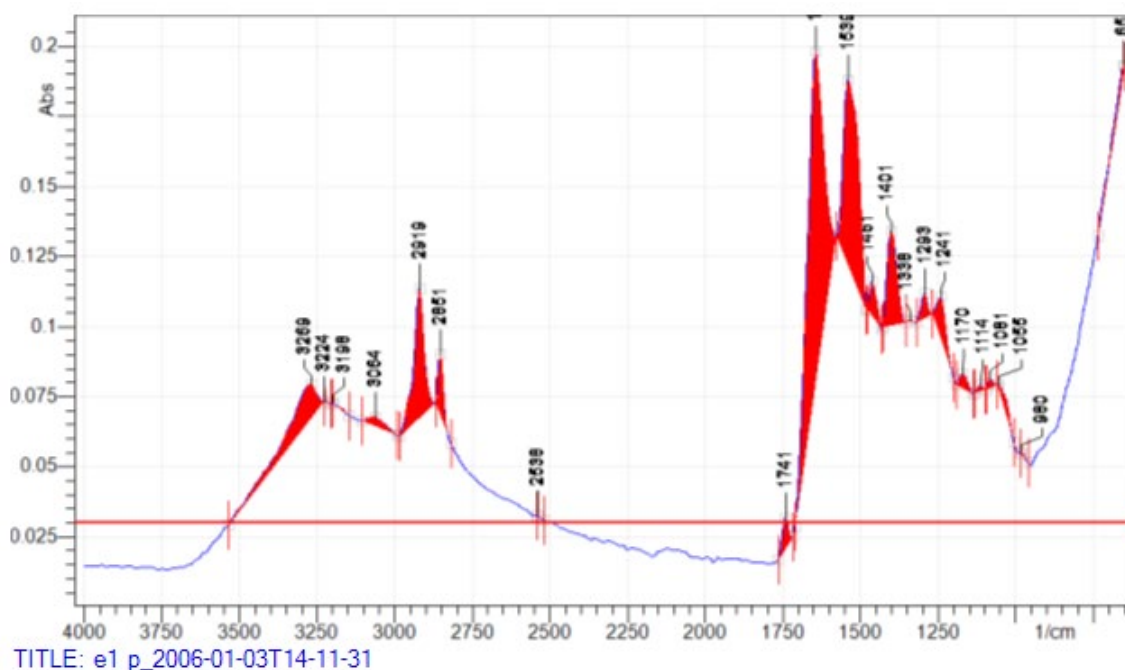


Figure S16. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the vehicle control group (mice treated only with excipients. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

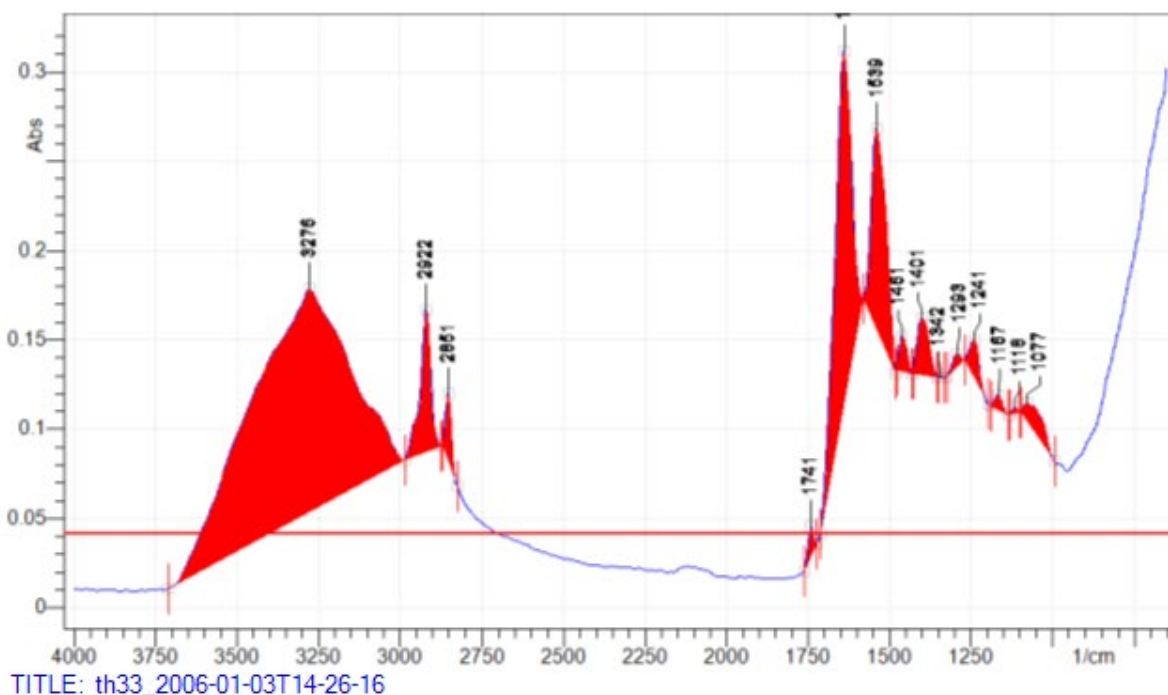


Figure S17. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the 5% w/w resin gel. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

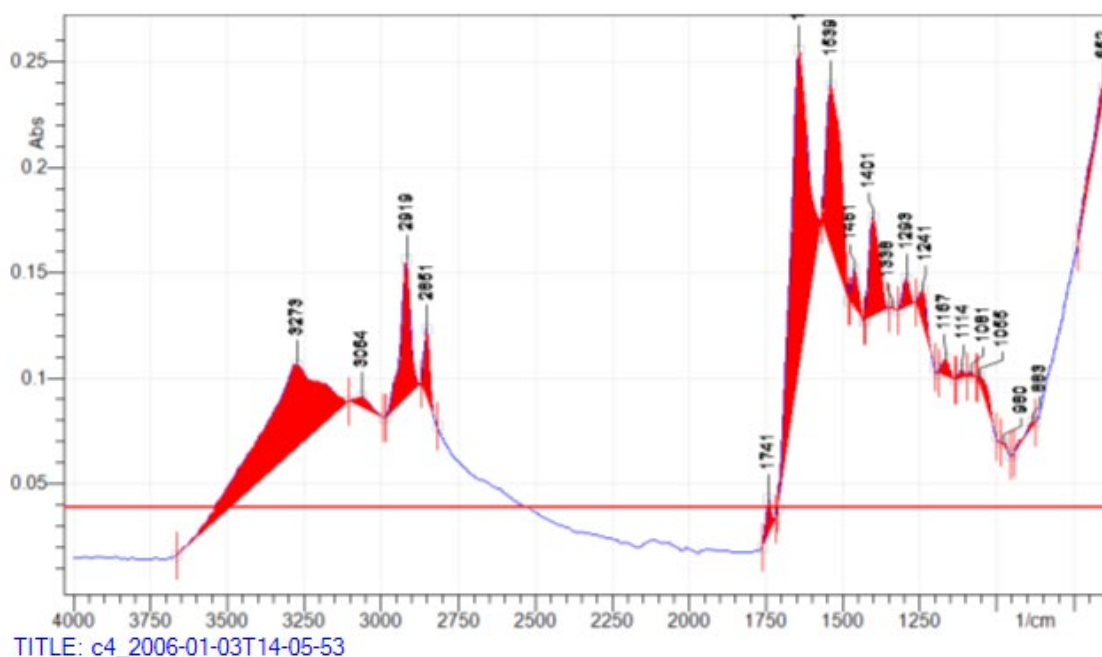


Figure S18. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the 10% w/w resin gel. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

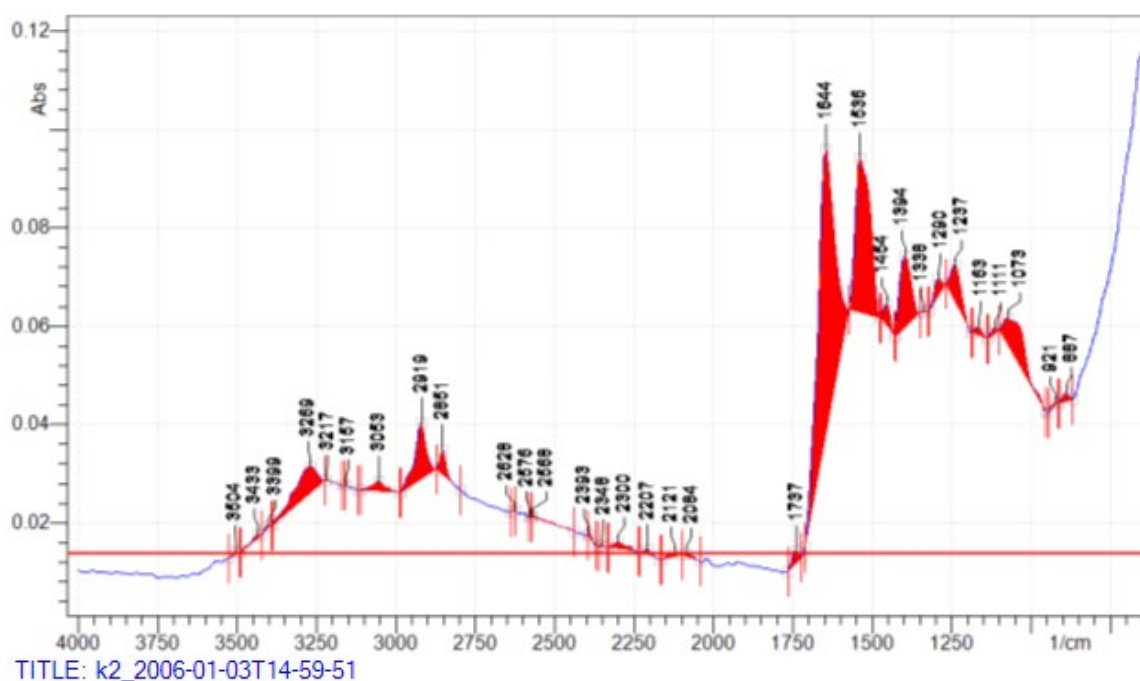


Figure S19. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the 1% w/w sapwood extract gel. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

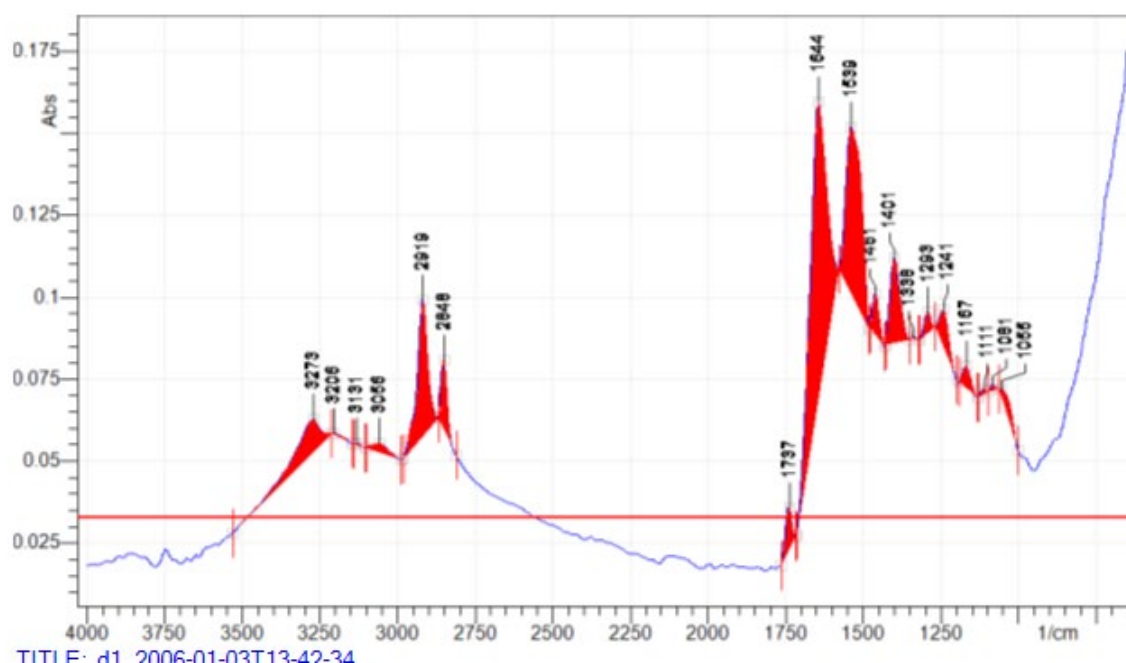


Figure S20. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the 1% w/w sapwood extract gel. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .

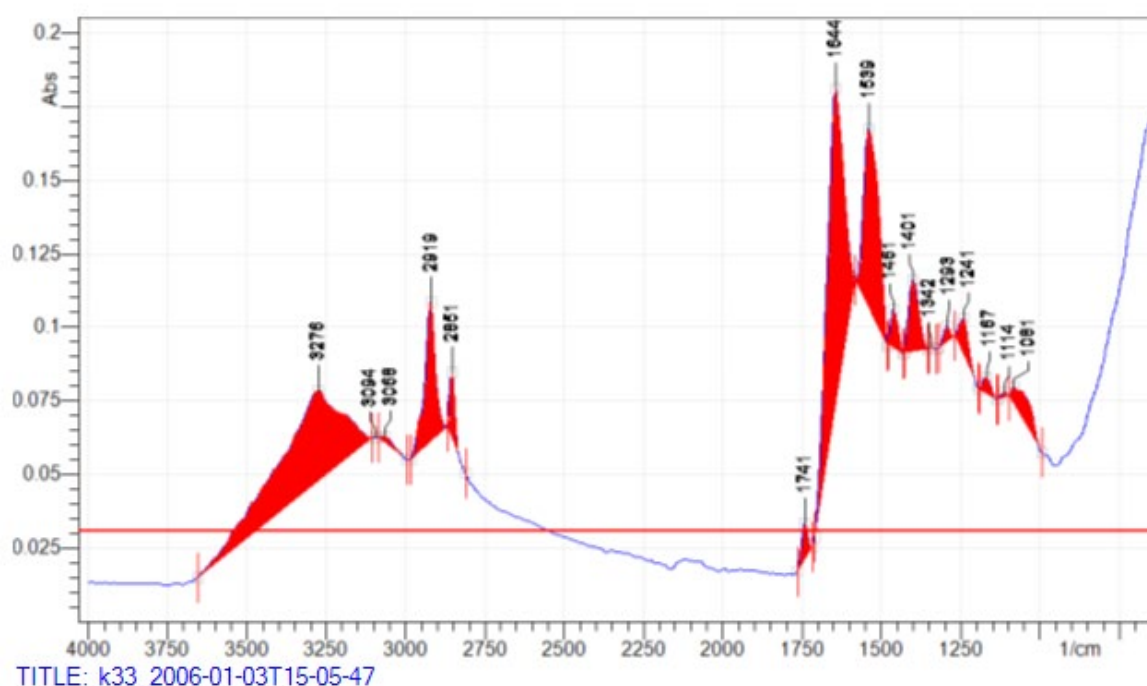
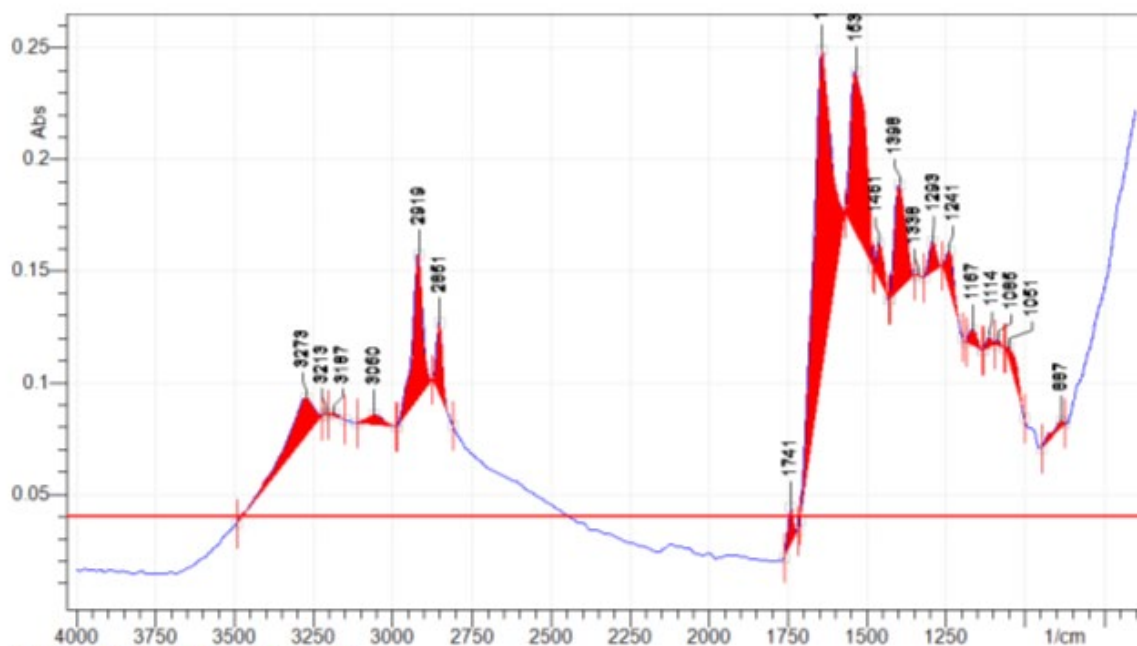


Figure S21. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the 0.5% w/w heartwood extract gel. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .



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Figure S22. A representative spectrum of normalized and averaged FT-IR spectra on day 14 post-lesion for the 1% w/w heartwood extract gel. Changes in band frequency, intensity, and shape were observed across the spectral regions 3700-3000 cm^{-1} , 3000-2850 cm^{-1} , and 1800-800 cm^{-1} .