

## Supplementary Materials

Article

# Xylitol as a Hydrophilization Moiety for a Biocatalytically Synthesized Ibuprofen Prodrug

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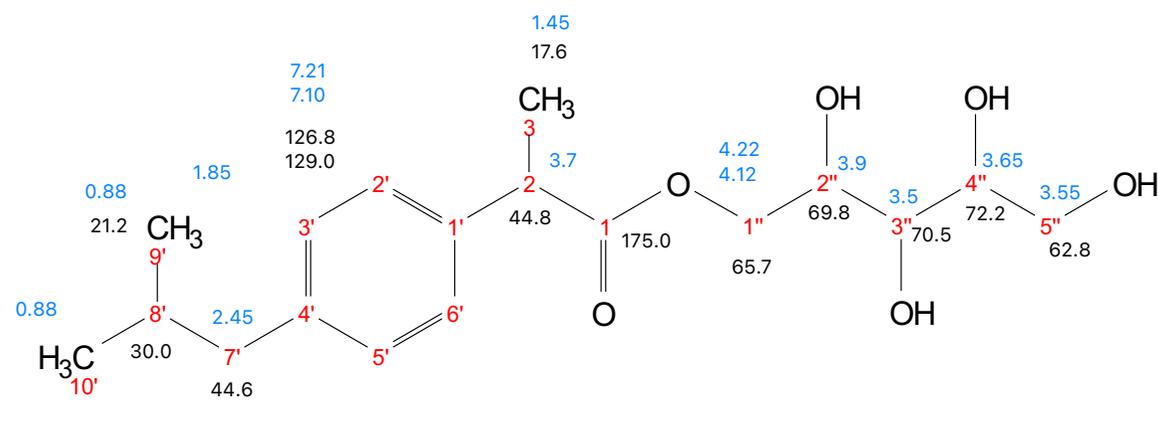


Figure S1:  $^1\text{H}$ - and  $^{13}\text{C}$ -NMR attribution of IBU-xylitol ester.

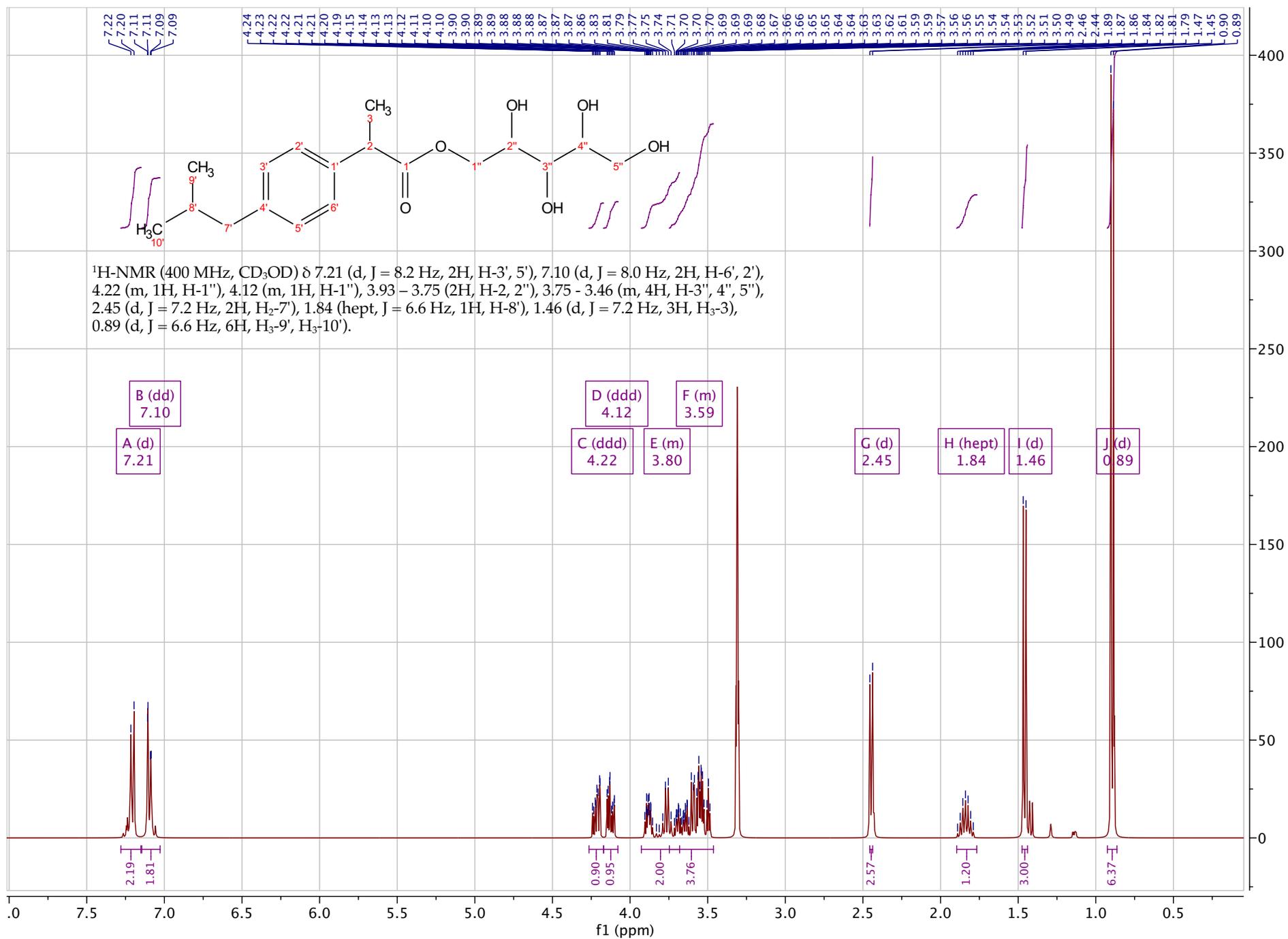


Figure S2: <sup>1</sup>H-NMR spectra of IBU-xylitol ester; RT, Methanol-d<sub>4</sub>, 400 MHz.

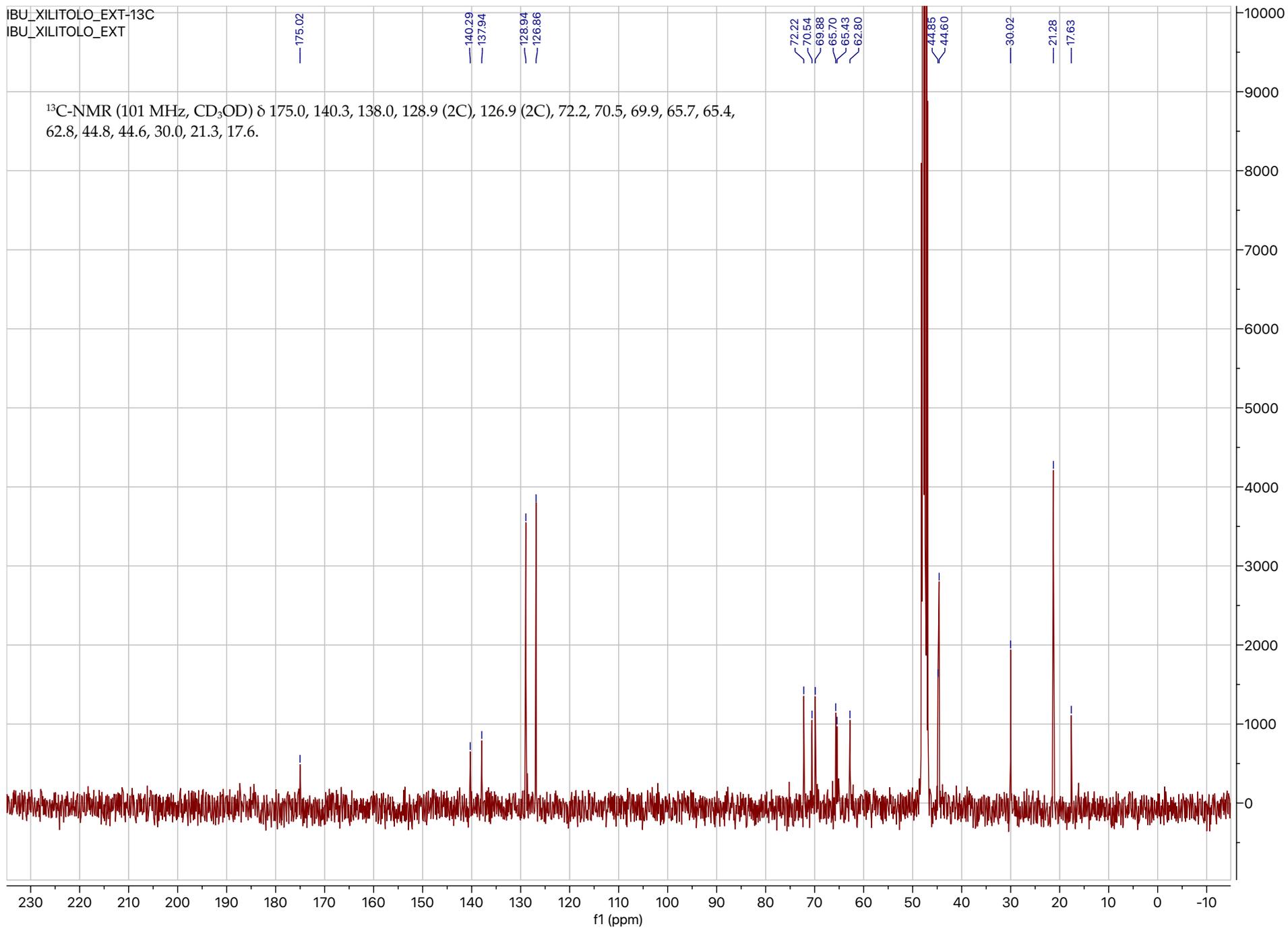


Figure S3:  $^{13}\text{C}$ -NMR of IBU-xylitol ester; RT, Methanol- $d_4$ , 101 MHz.

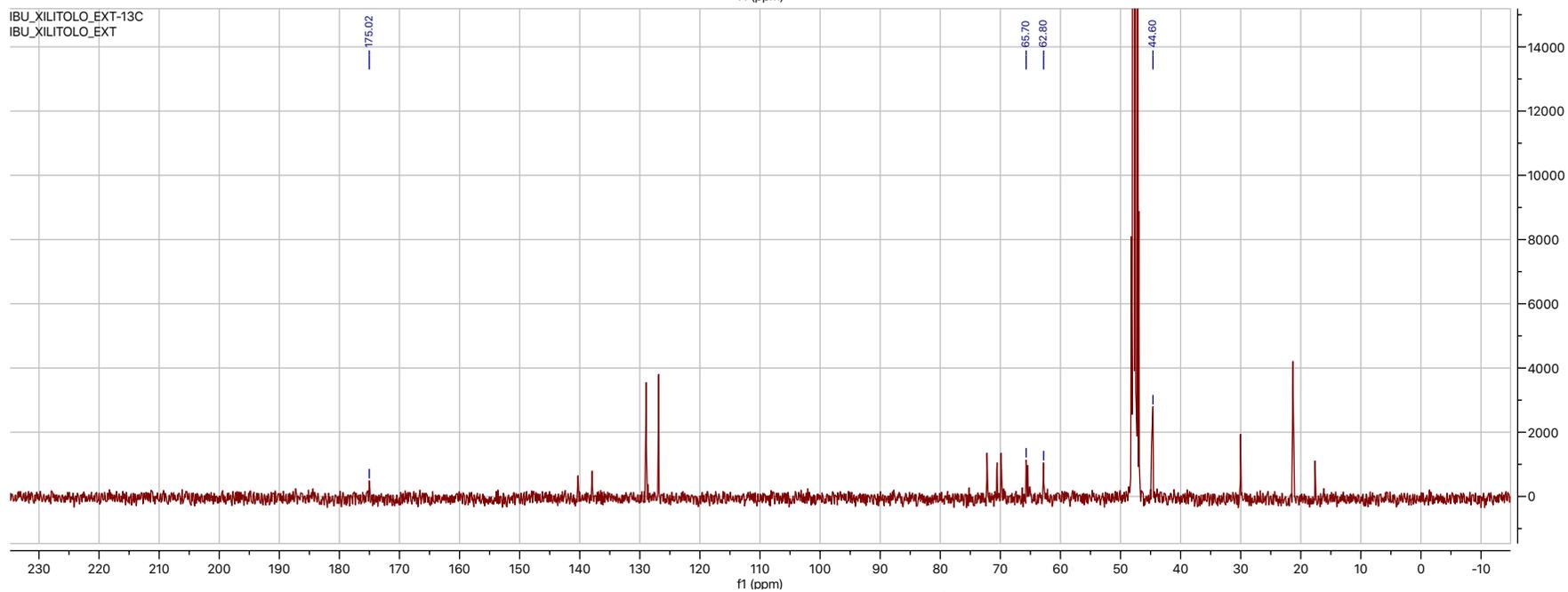
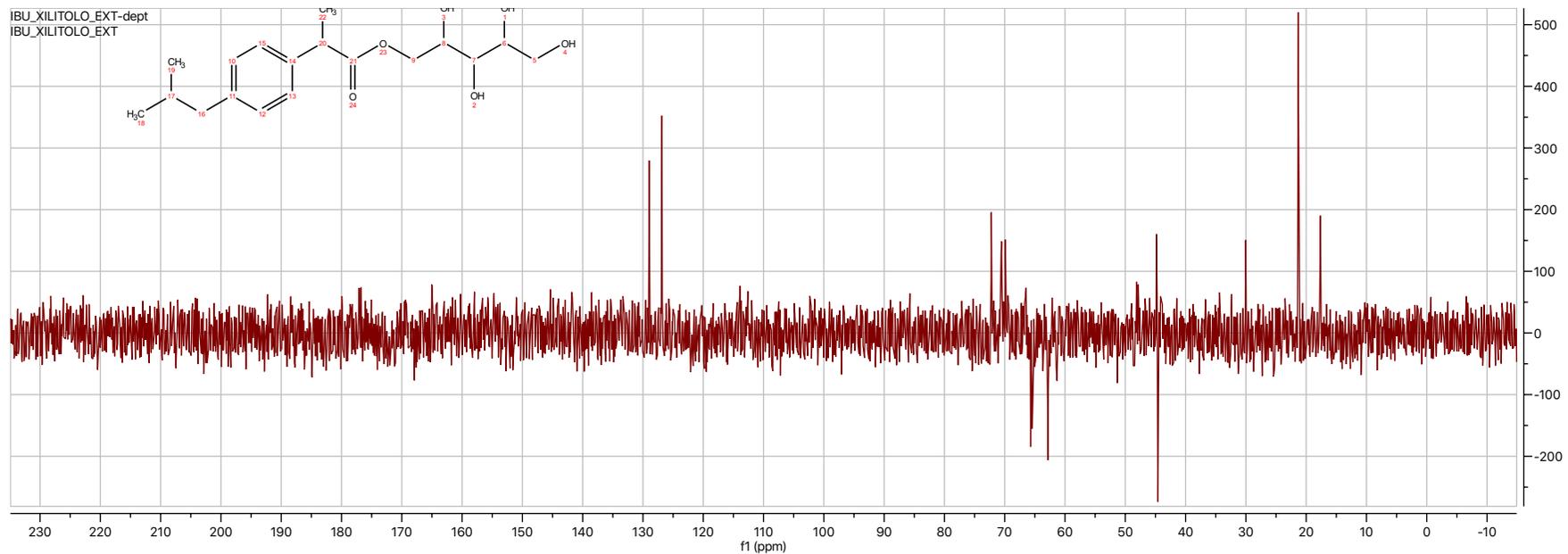


Figure S4: DEPT IBU-xylitol ester; RT, Methanol-d<sub>4</sub>, 101 MHz.

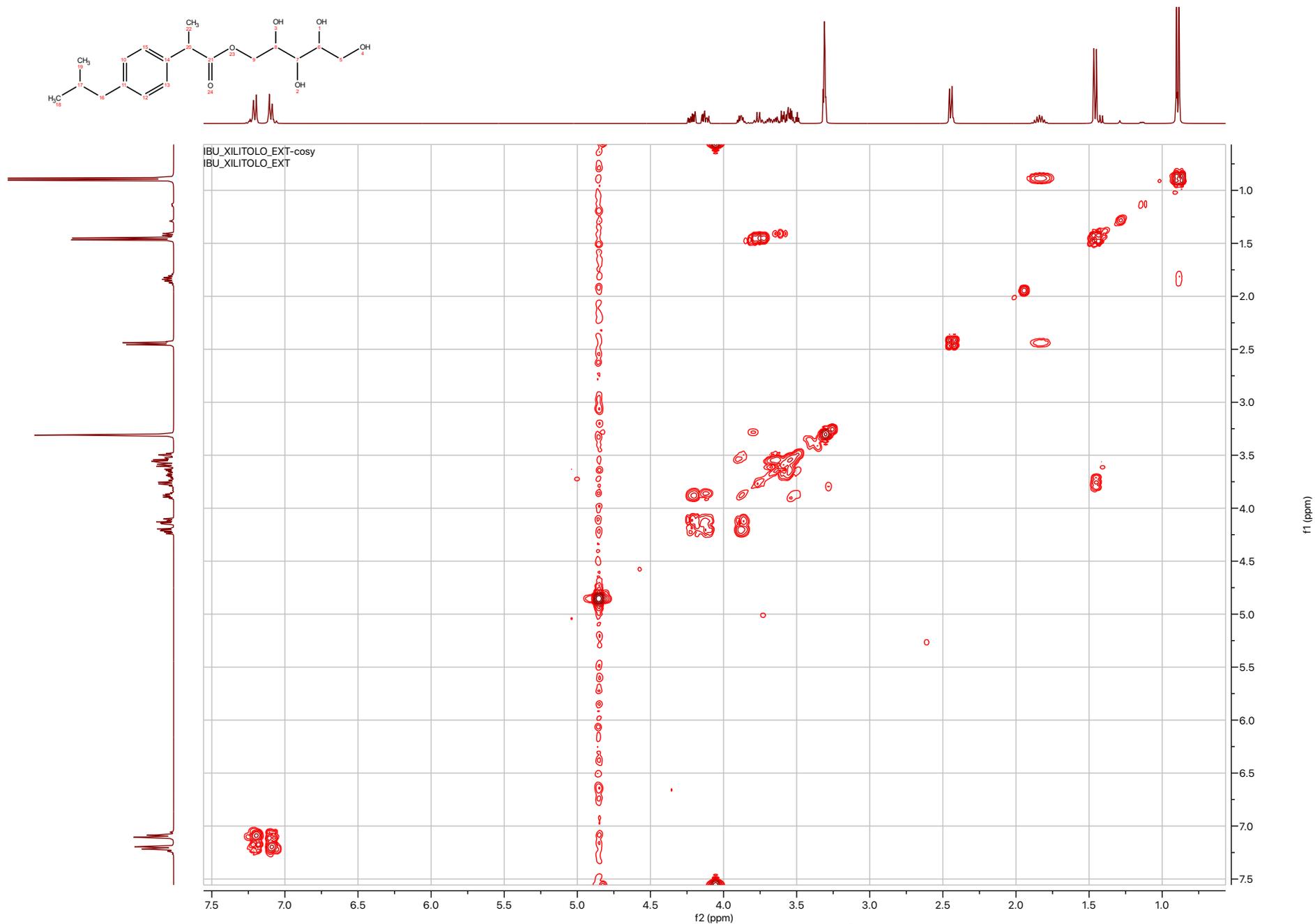
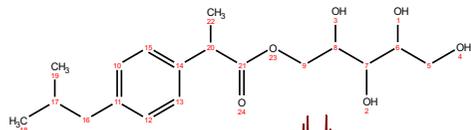


Figure S5: COSY IBU-xylitol ester; RT, Methanol-d4, 101 MHz

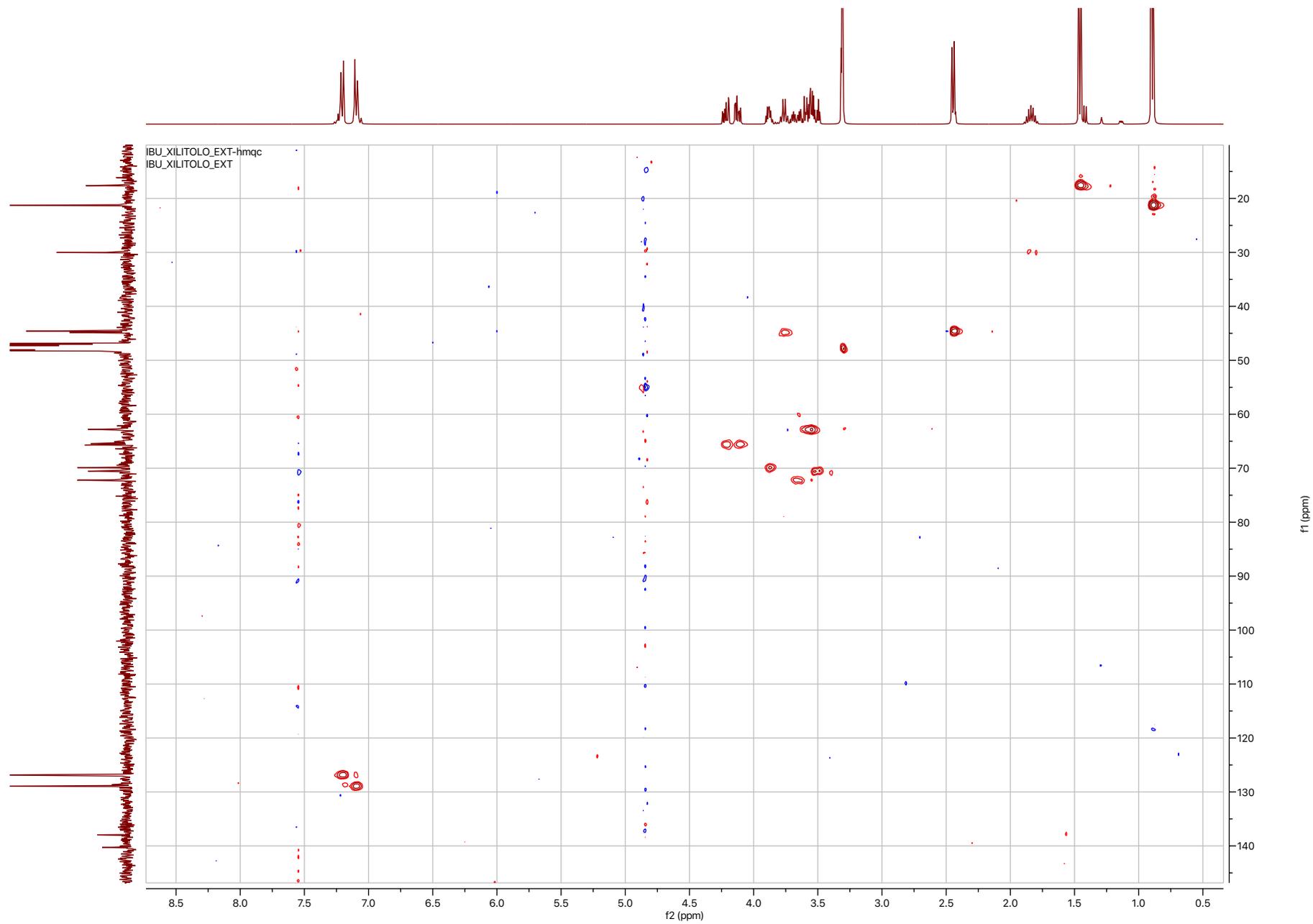


Figure S6: HMQC IBU-xylitol ester

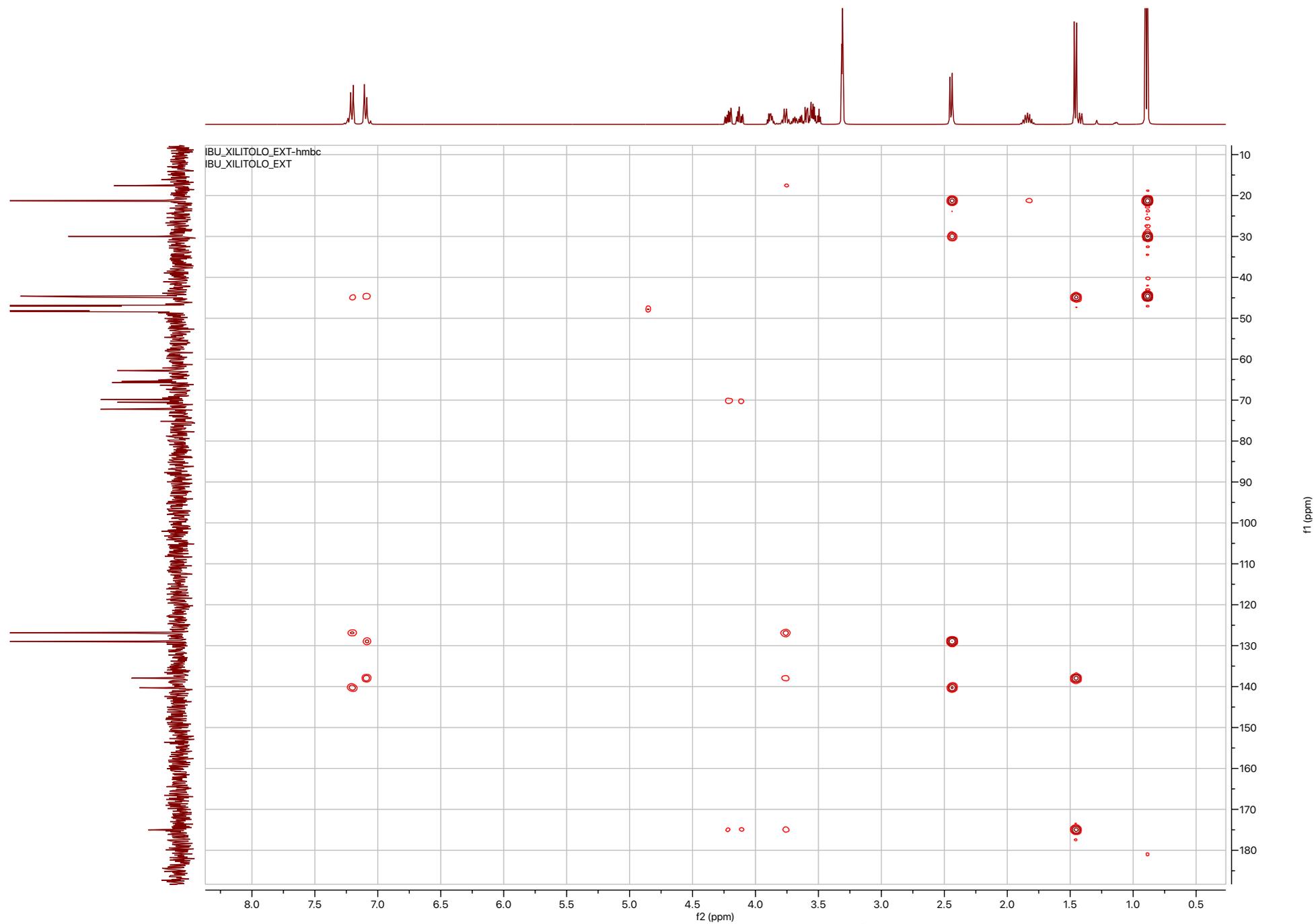


Figure S7: HMBC IBU-xylitol ester; RT, Methanol-d<sub>4</sub>, 400 MHz.

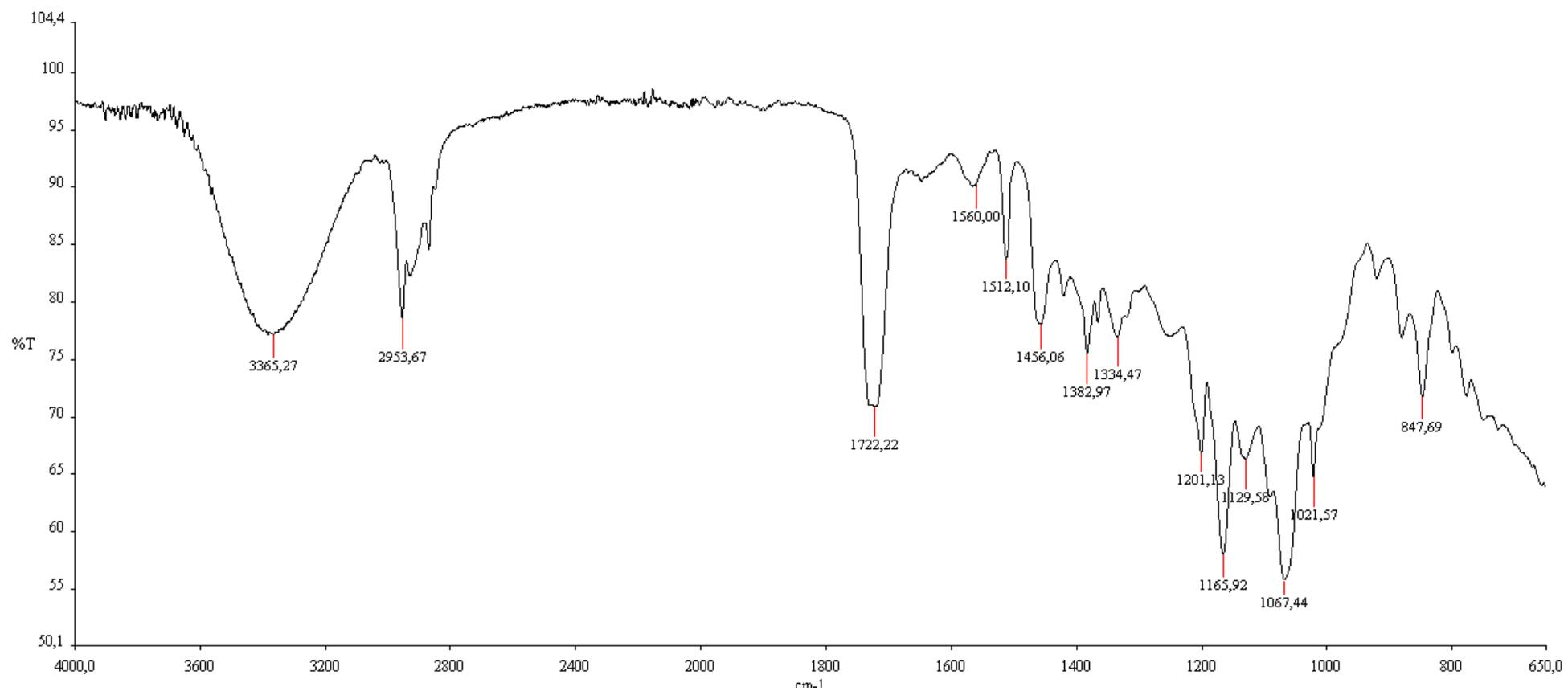


Figure S8: IR spectra of IBU-xylitol ester

