

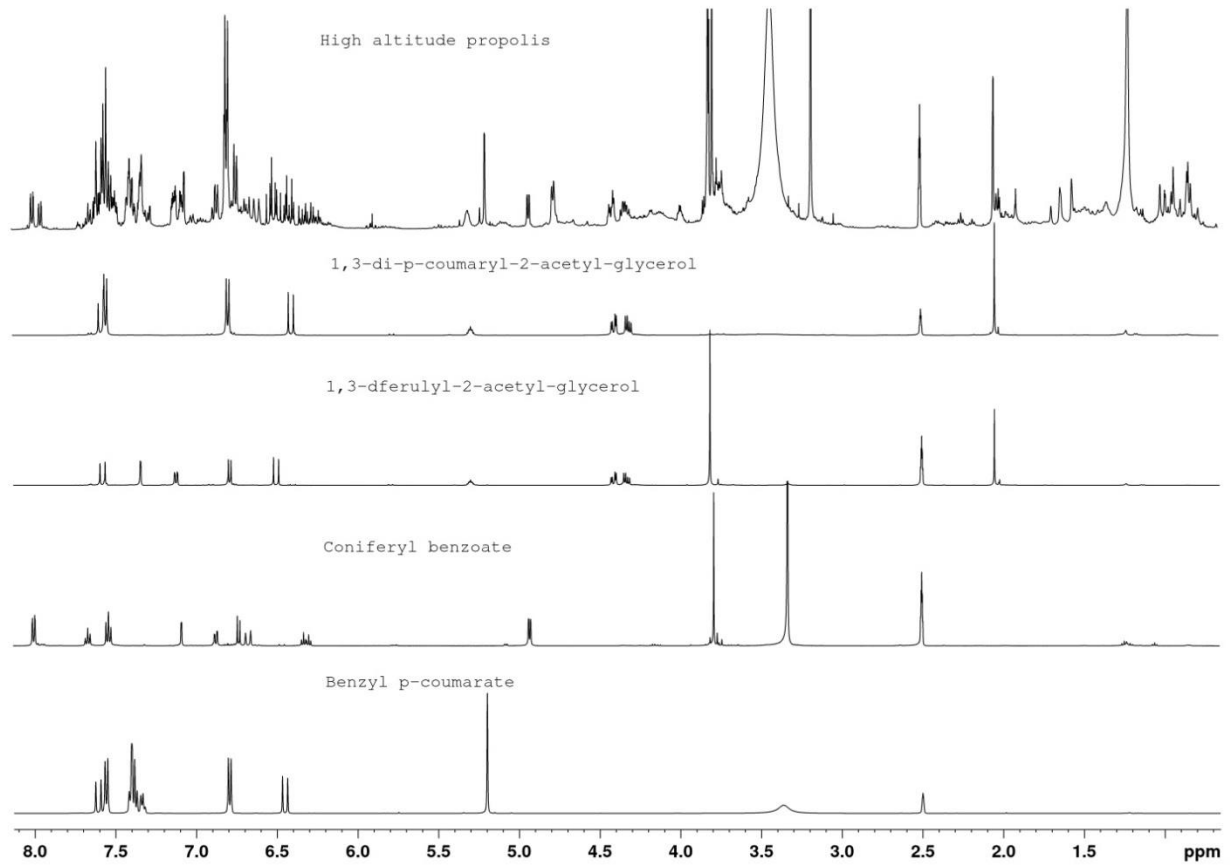
Supplementary data for article:

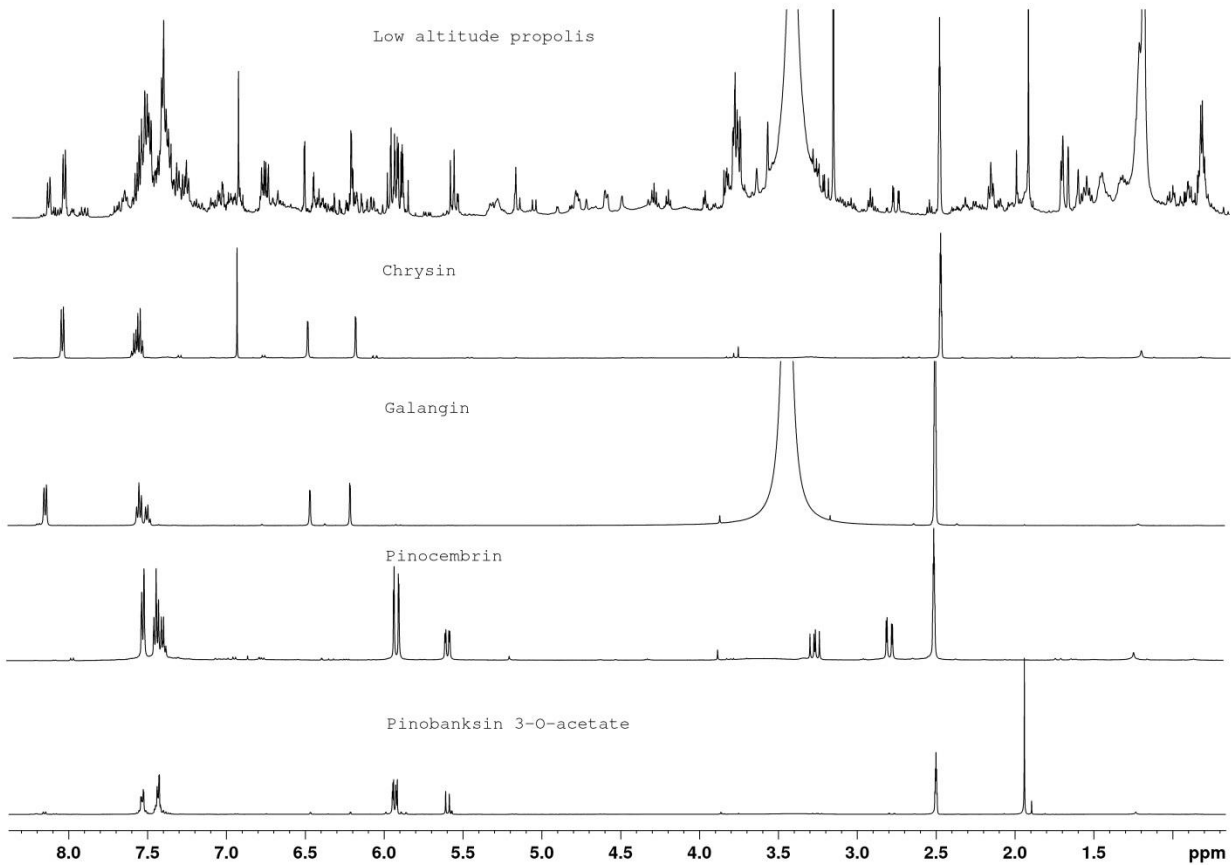
Andelkovic, B.; Vujisić, L. V.; Vučković, I. M.; Tešević, V.; Vajs, V.; Godevac, D.
Metabolomics Study of Populus Type Propolis. *Journal of Pharmaceutical and Biomedical
Analysis* **2017**, *135*, 217–226.

<https://doi.org/10.1016/j.jpba.2016.12.003>

1. NMR spectra

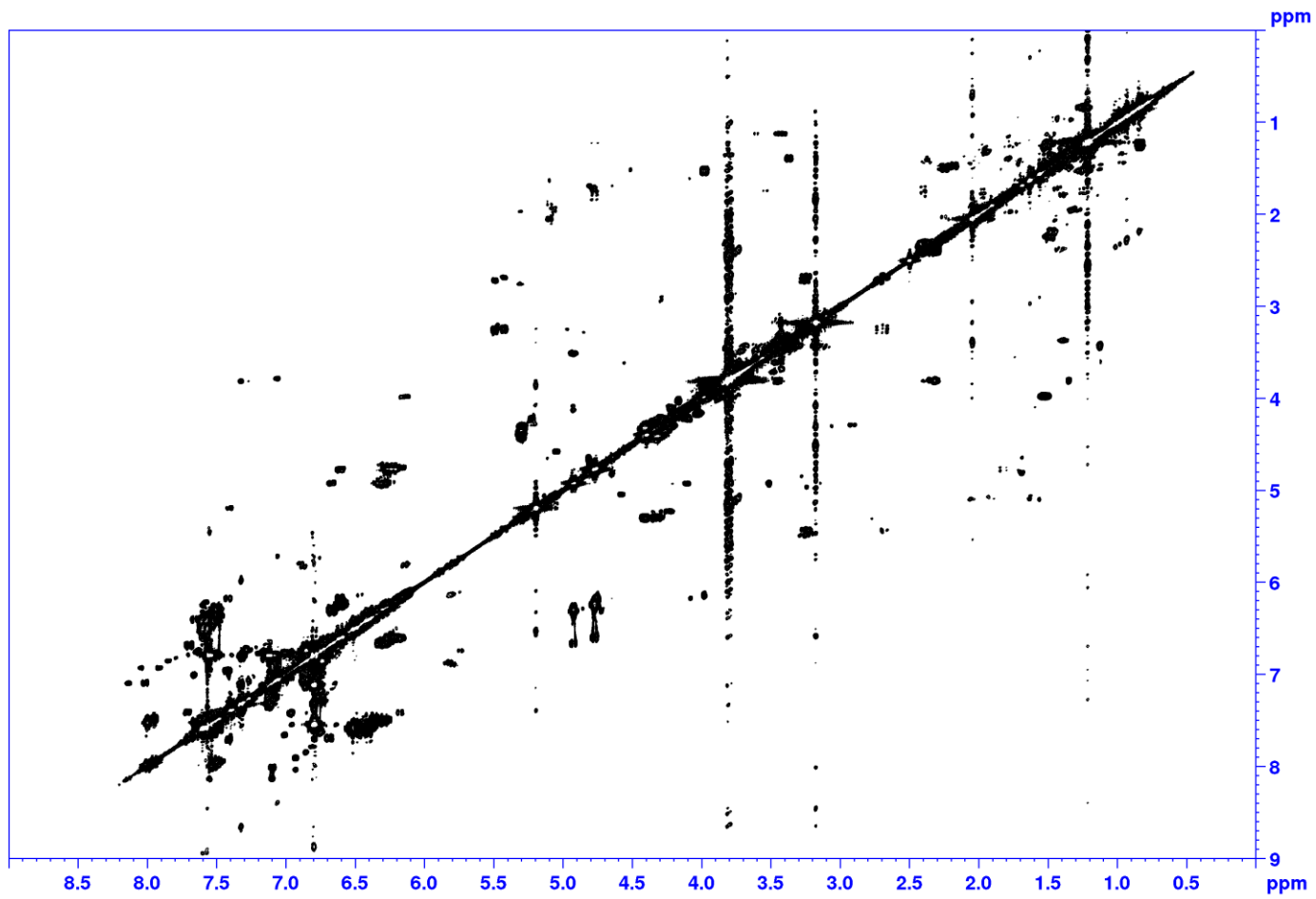
1.1 ^1H NMR spectra



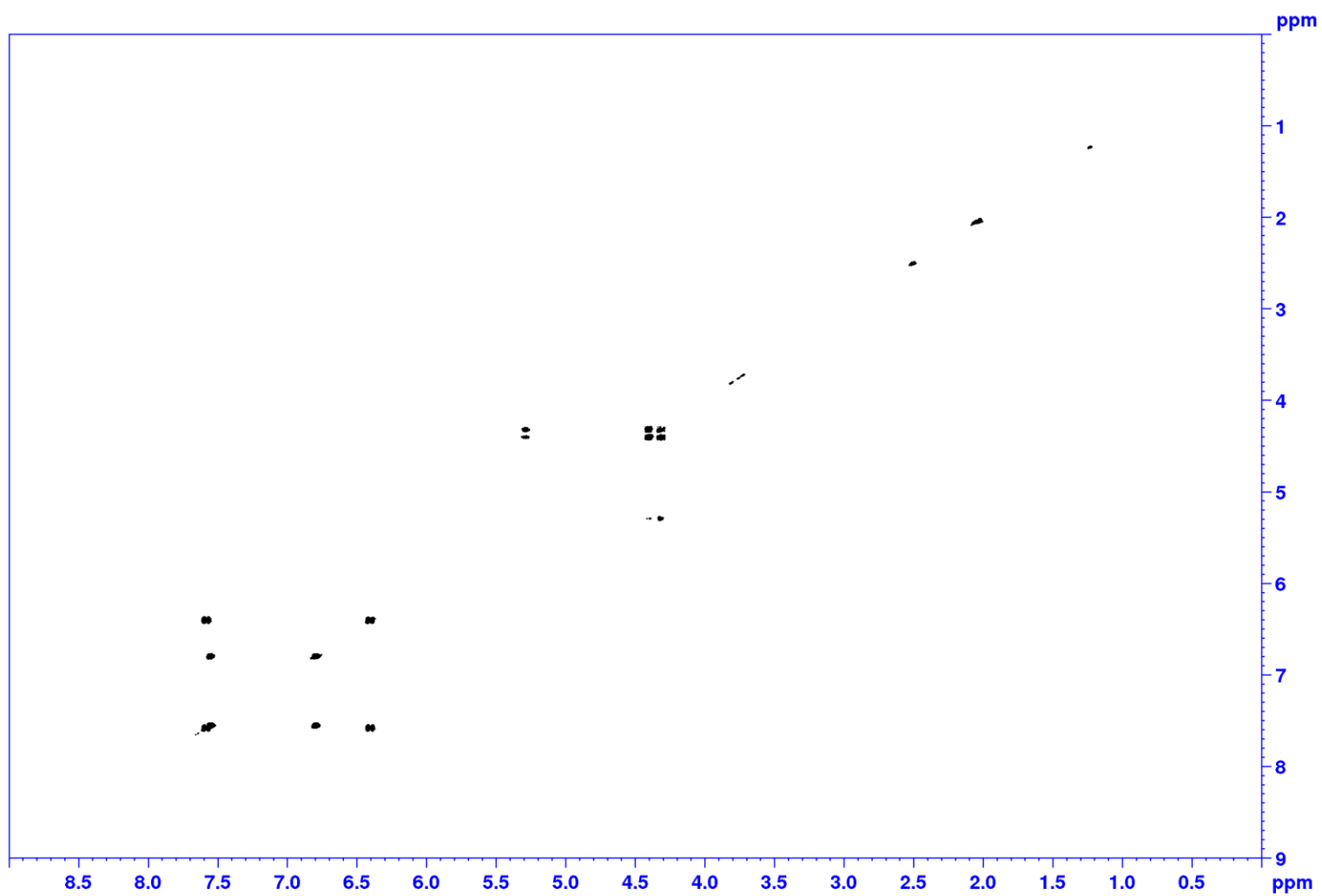


1.2 COSY spectra

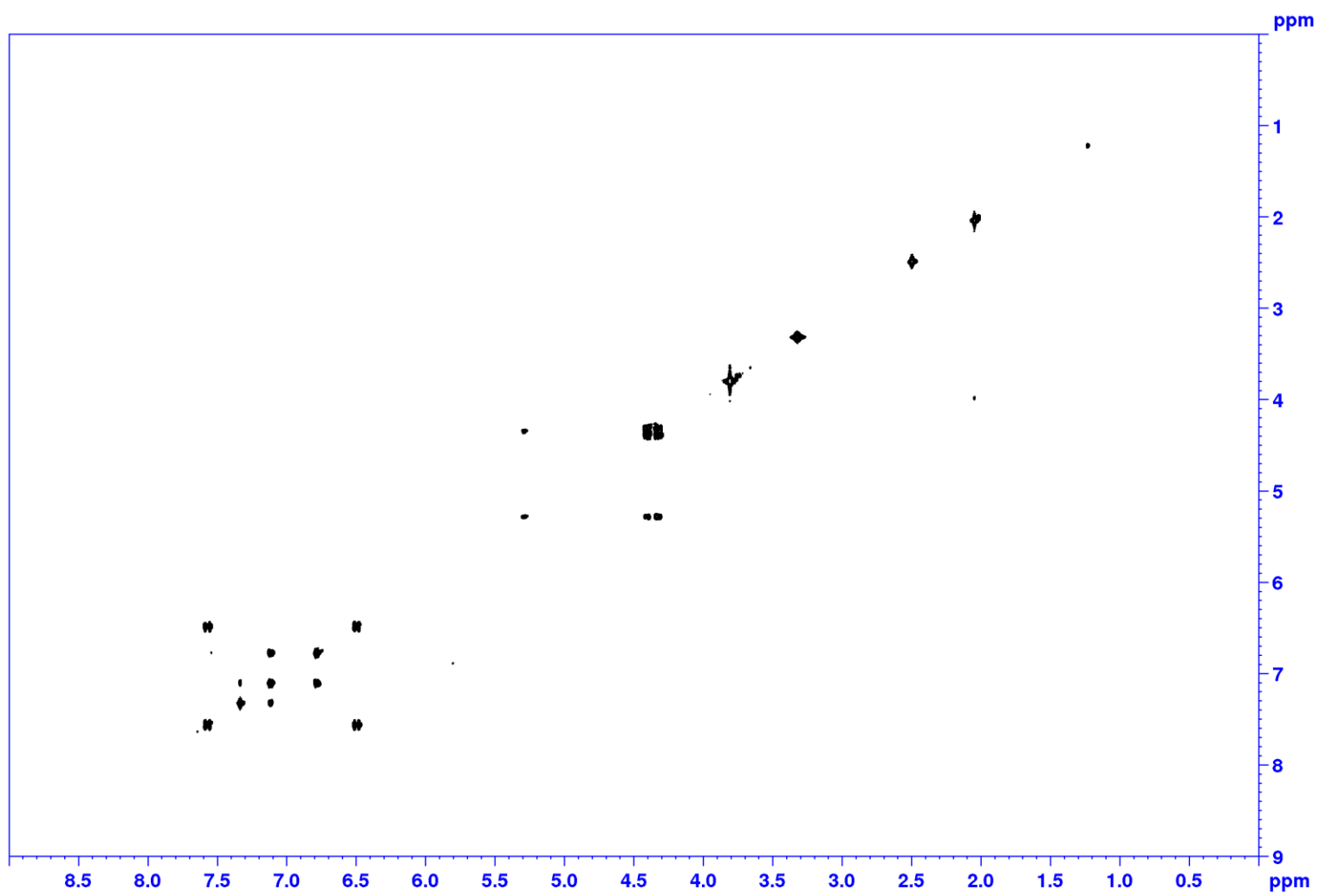
COSY spectrum of high altitude propolis



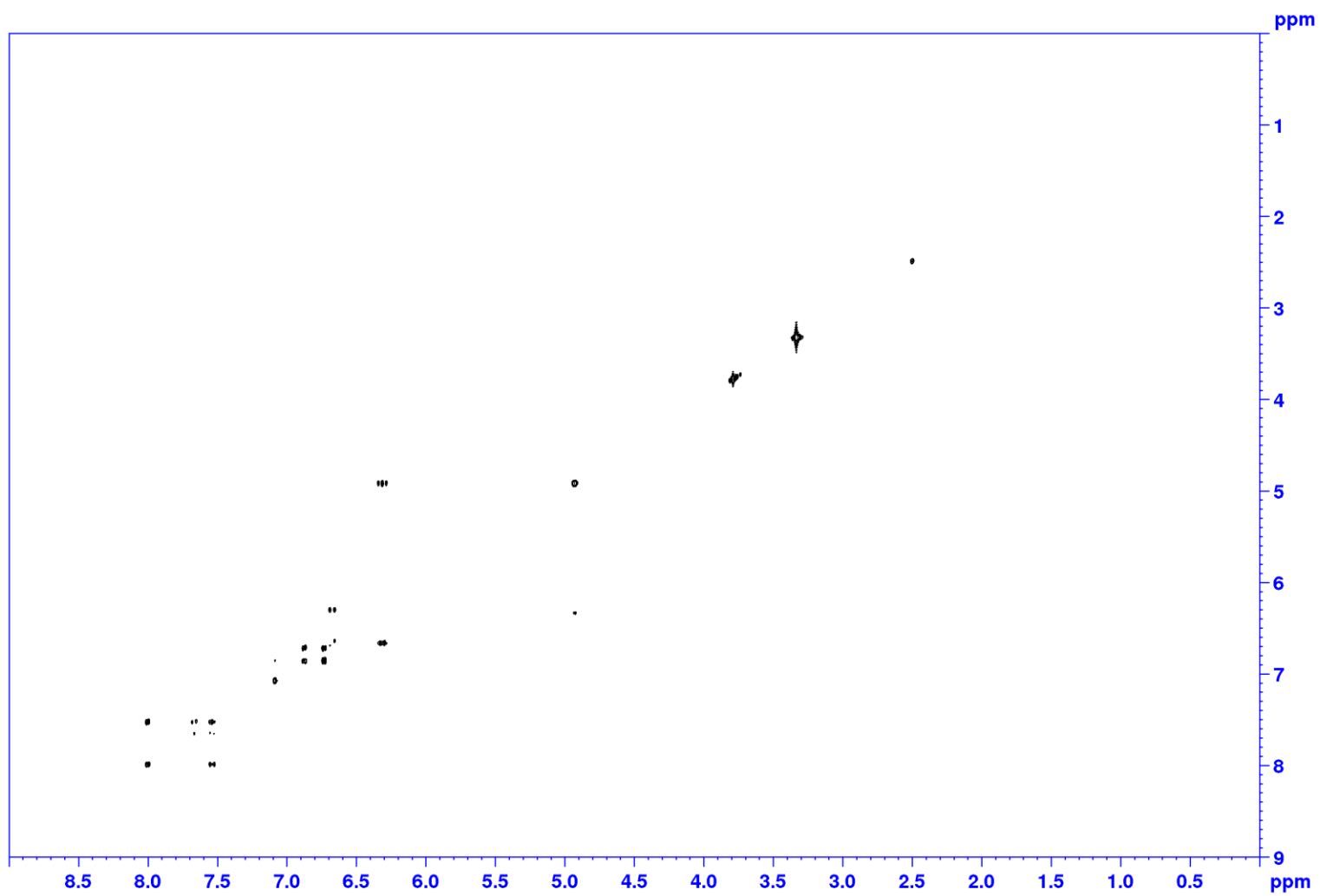
COSY spectrum of 1,3-di-*p*-coumaryl-2-acetyl-glycerol



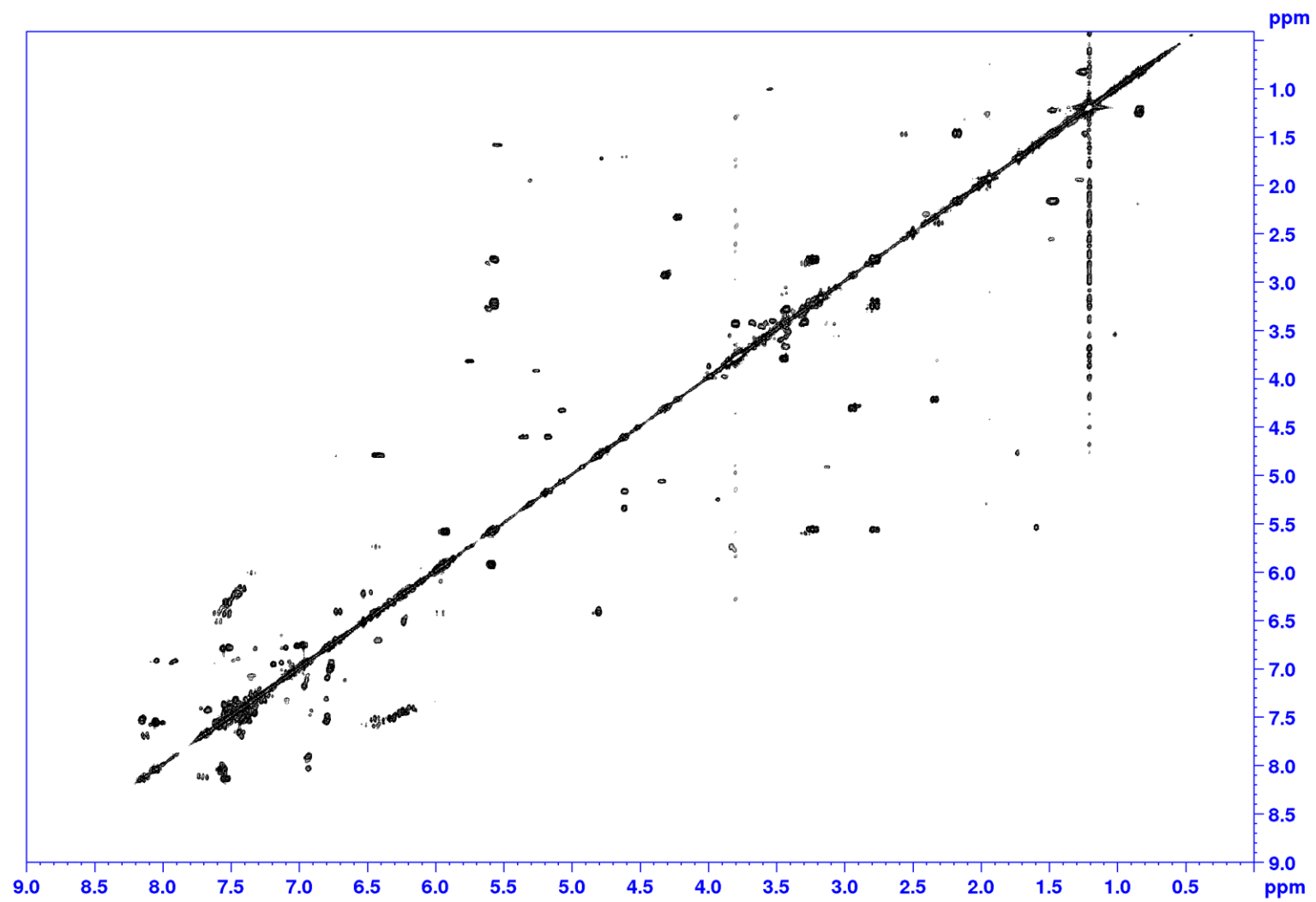
COSY spectrum of 1,3-diferulyl-2-acetyl-glycerol



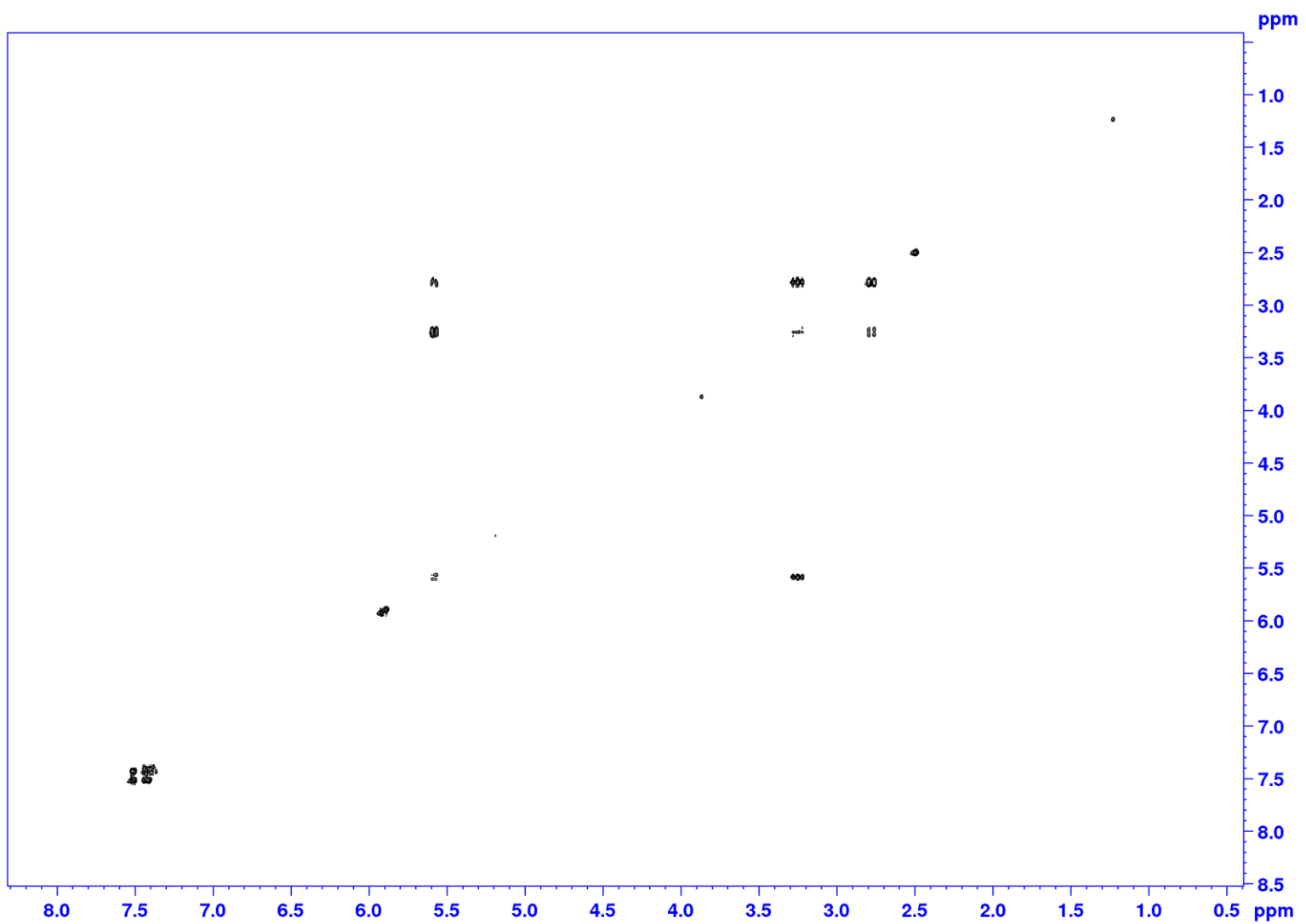
COSY spectrum of coniferyl benzoate



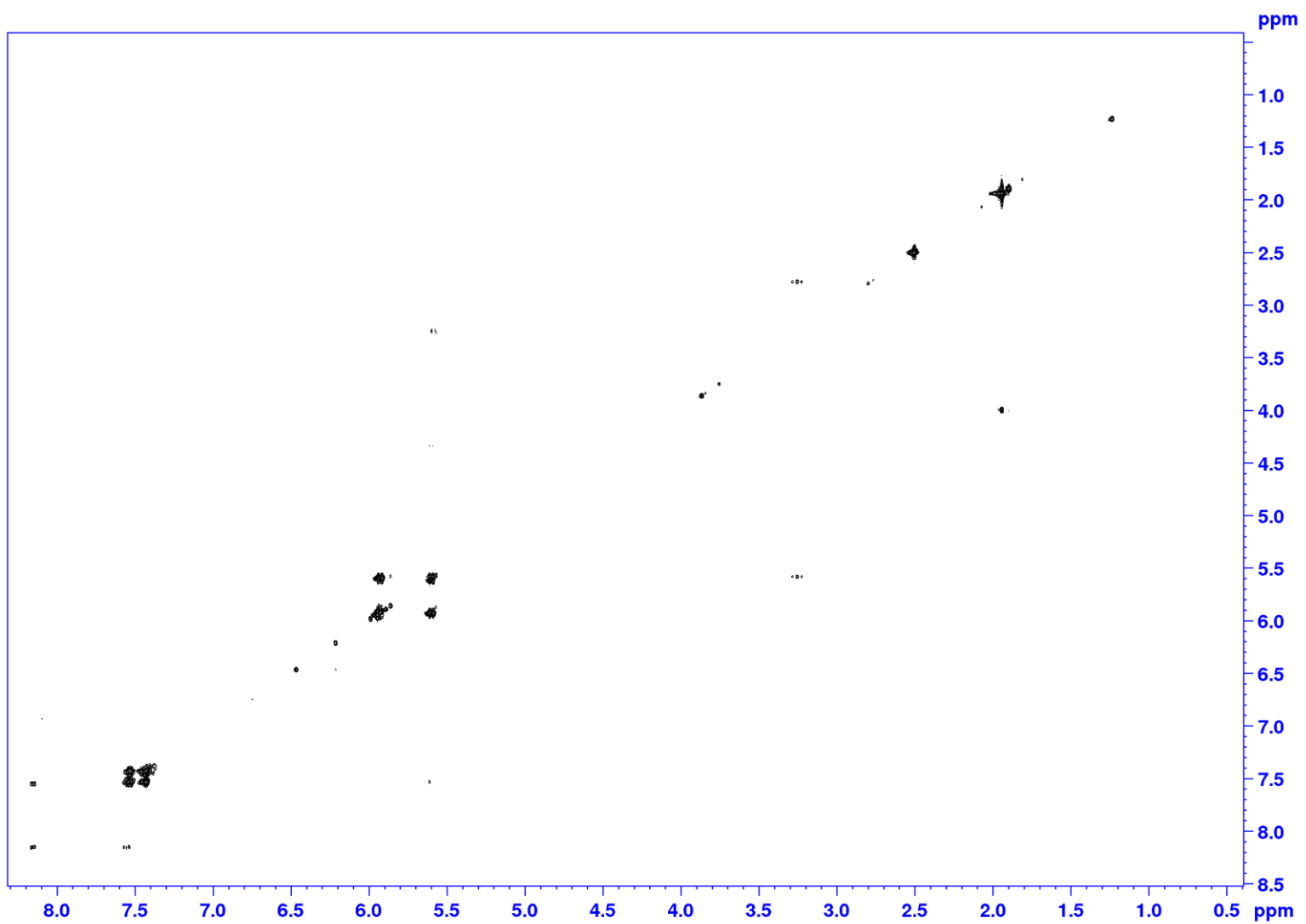
COSY spectrum of low altitude propolis



COSY spectrum of pinocembrin

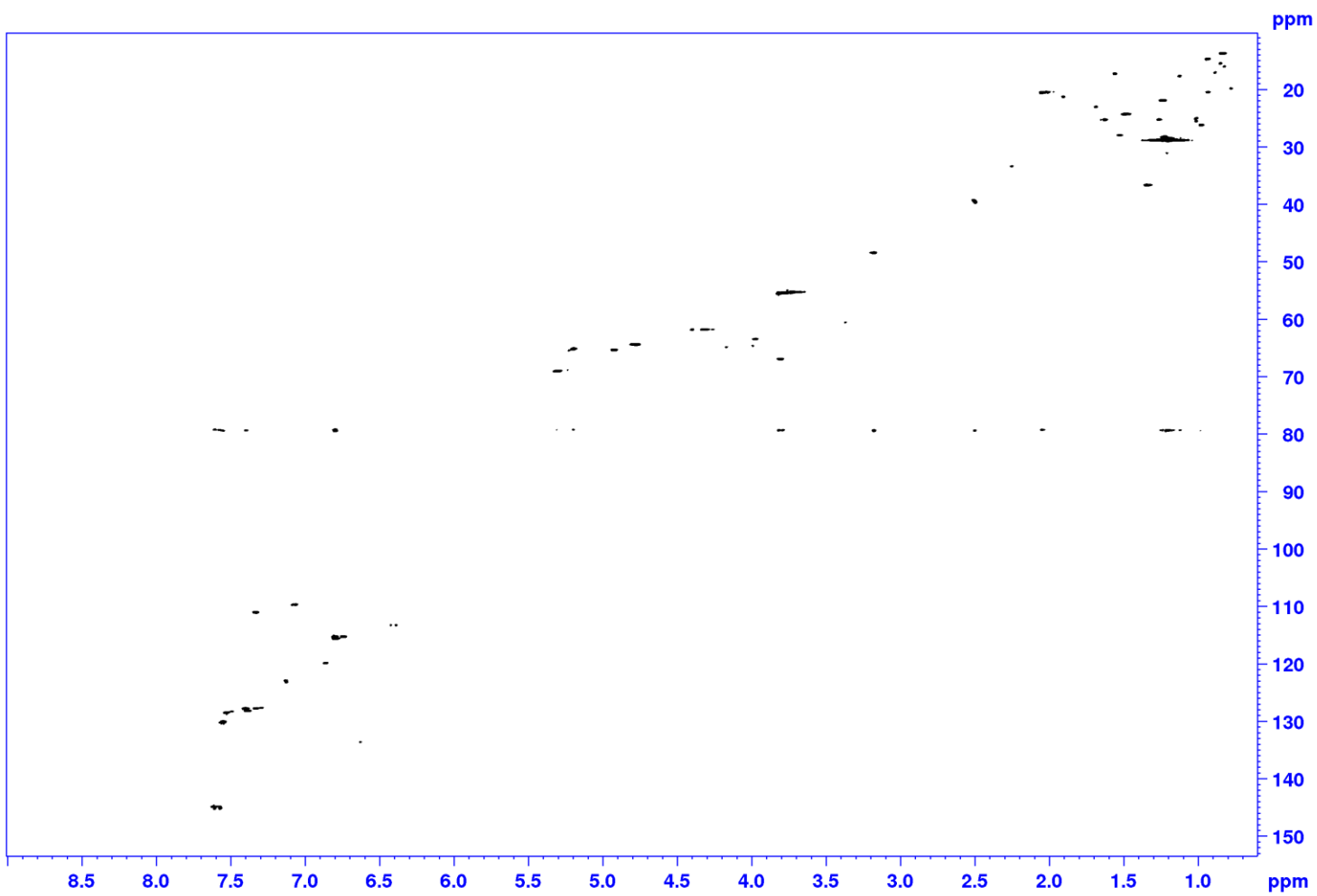


COSY spectrum of pinobanksin 3-O-acetate

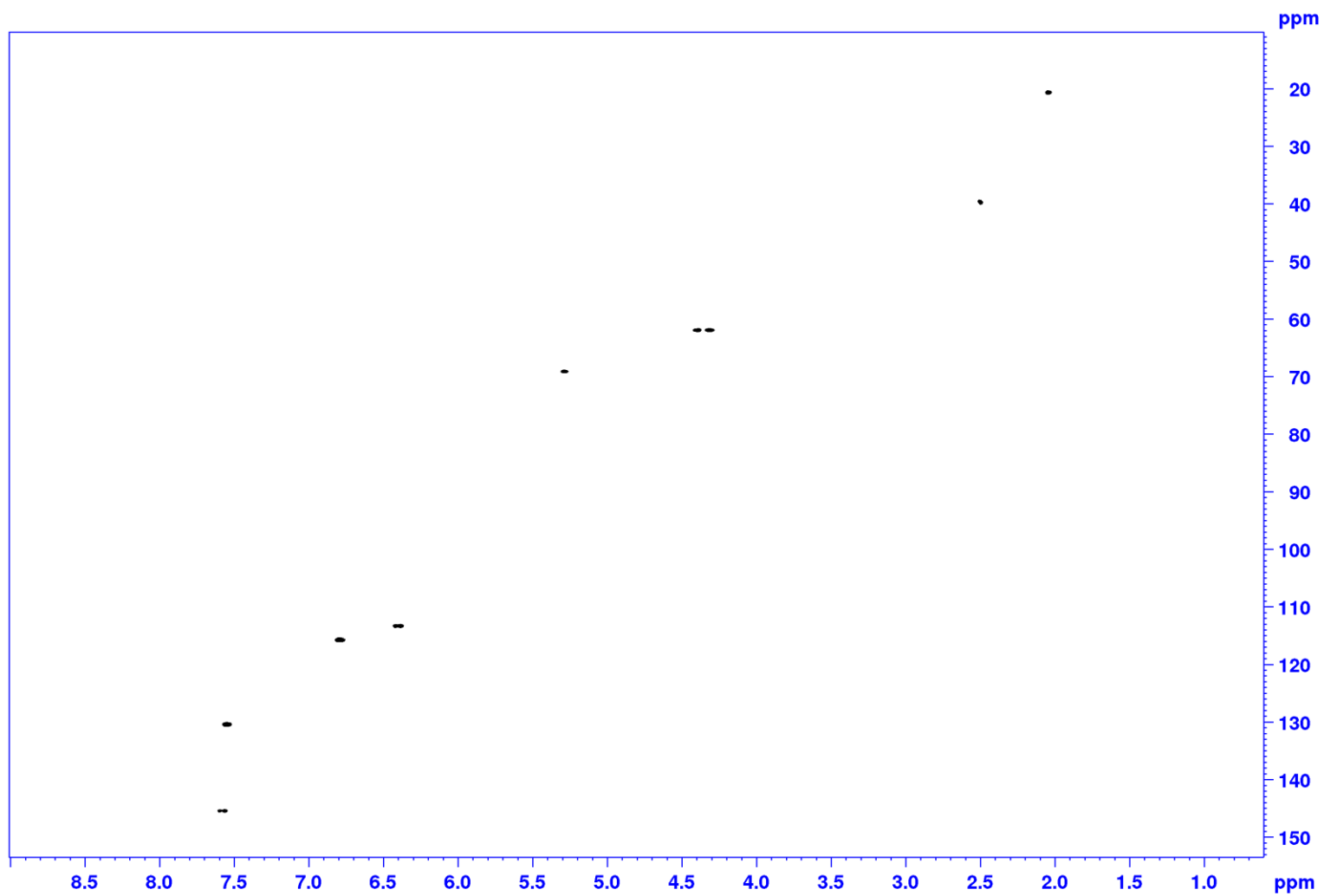


1.3 HSQC spectra

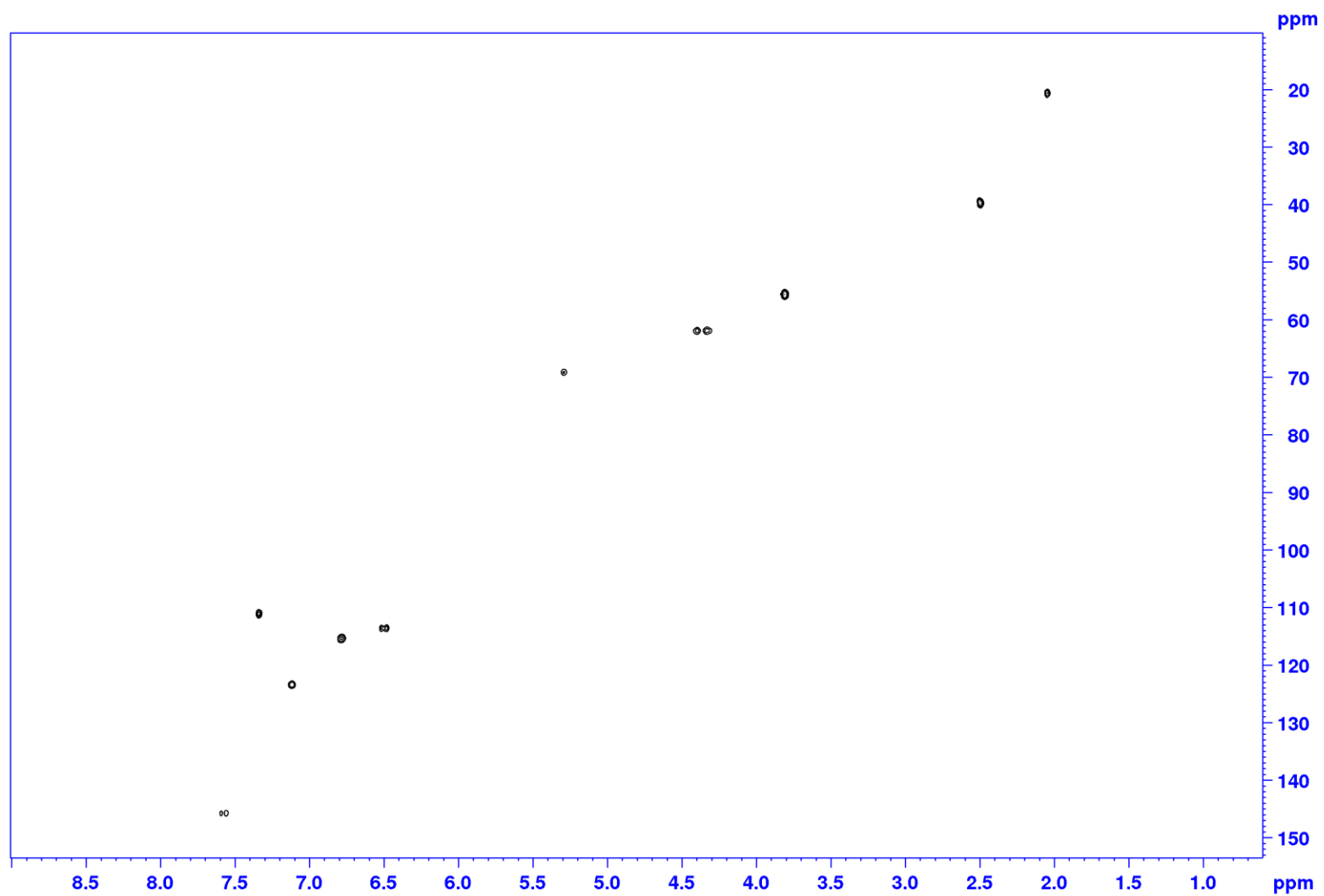
HSQC spectrum of high altitude propolis



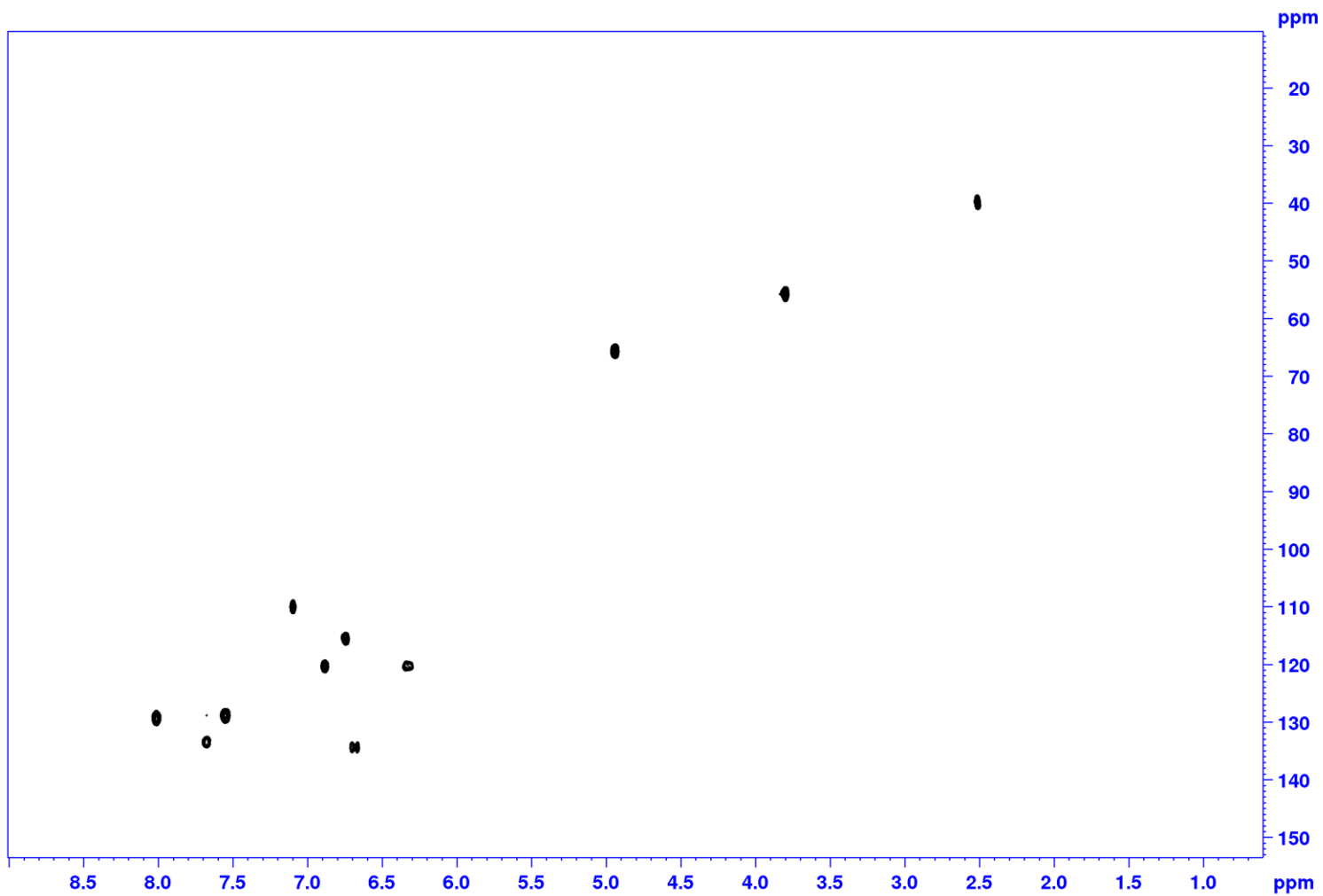
HSQC spectrum of 1,3-di-*p*-coumaryl-2-acetyl-glycerol



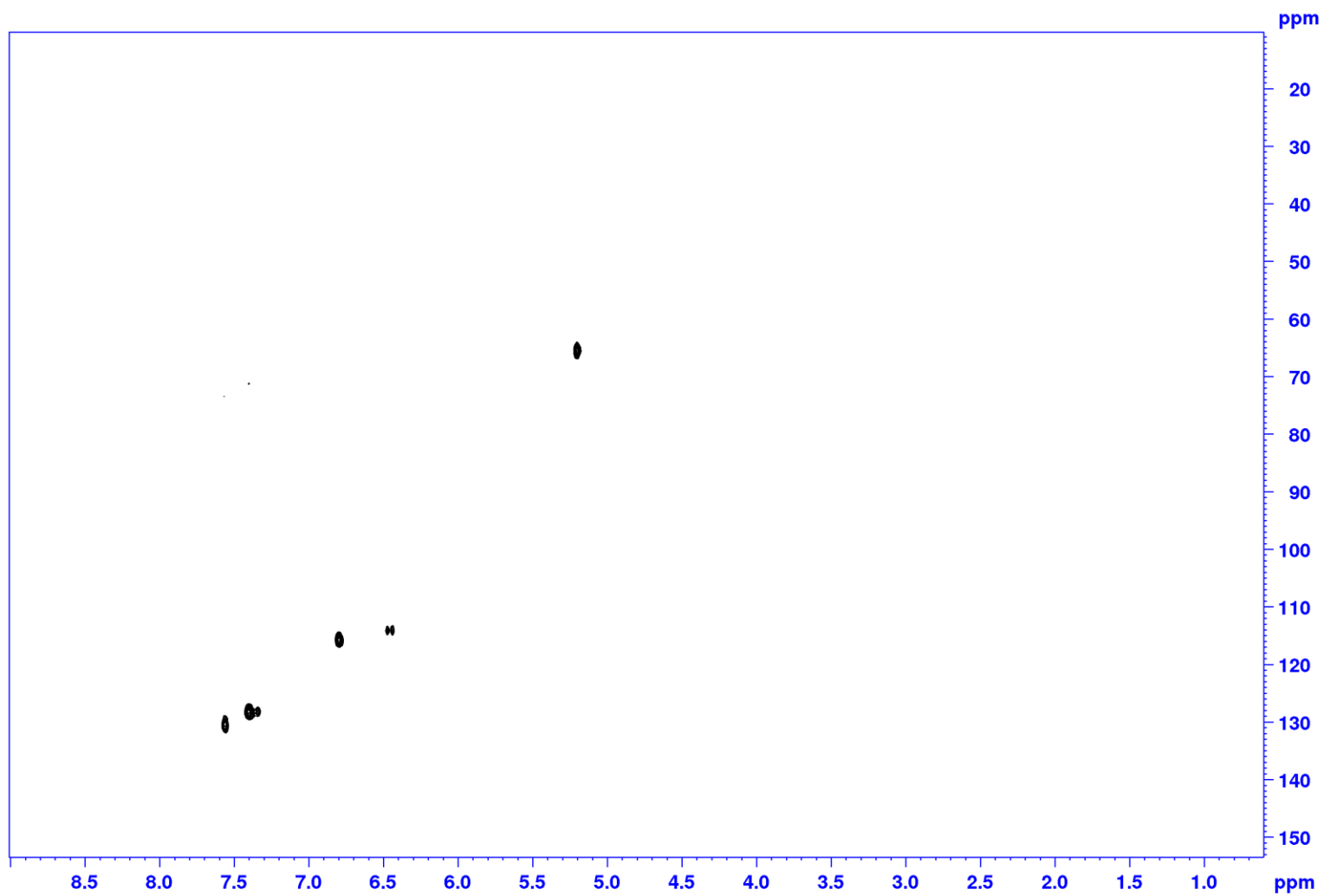
HSQC spectrum of 1,3-diferulyl-2-acetyl-glycerol



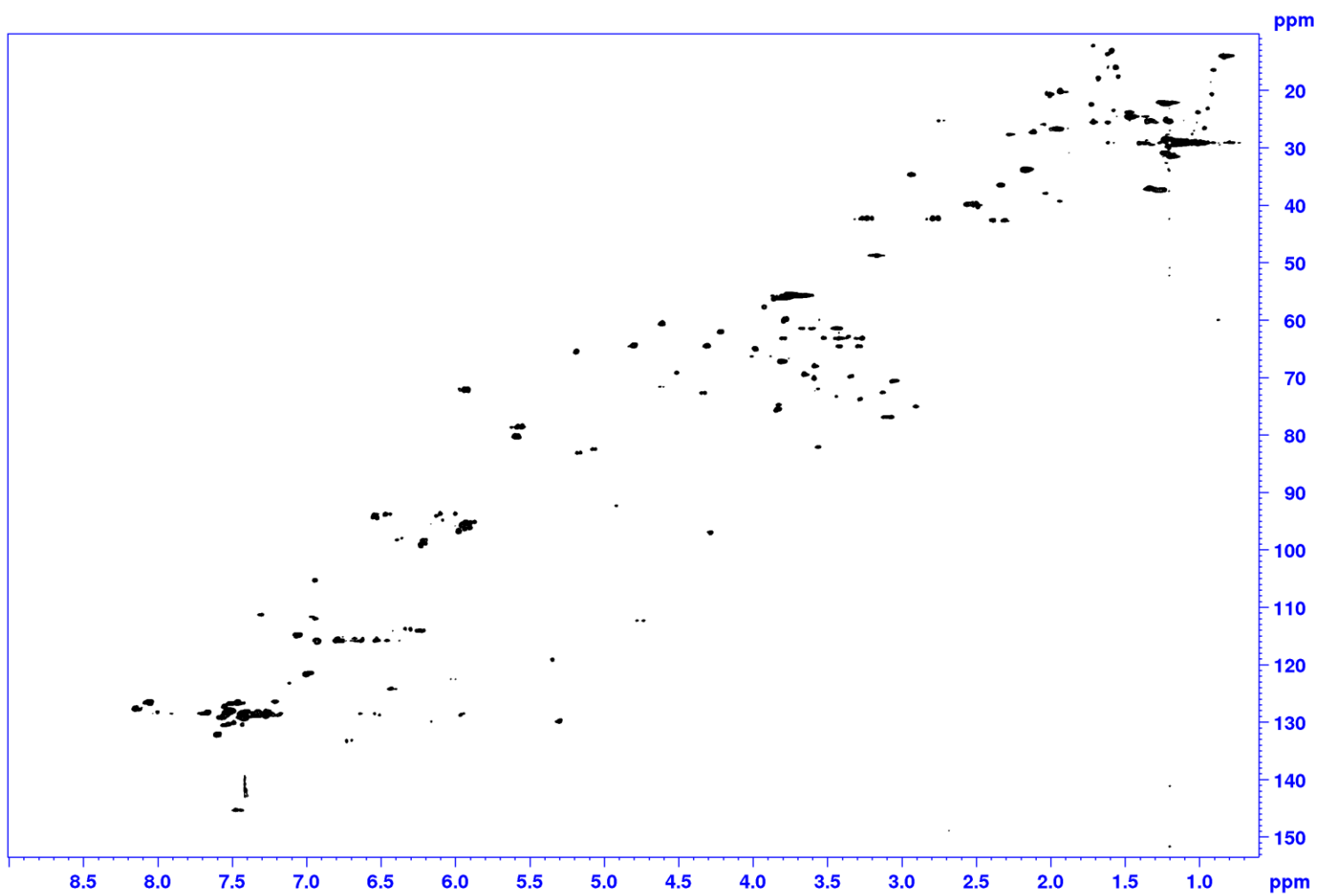
HSQC spectrum of coniferyl benzoate



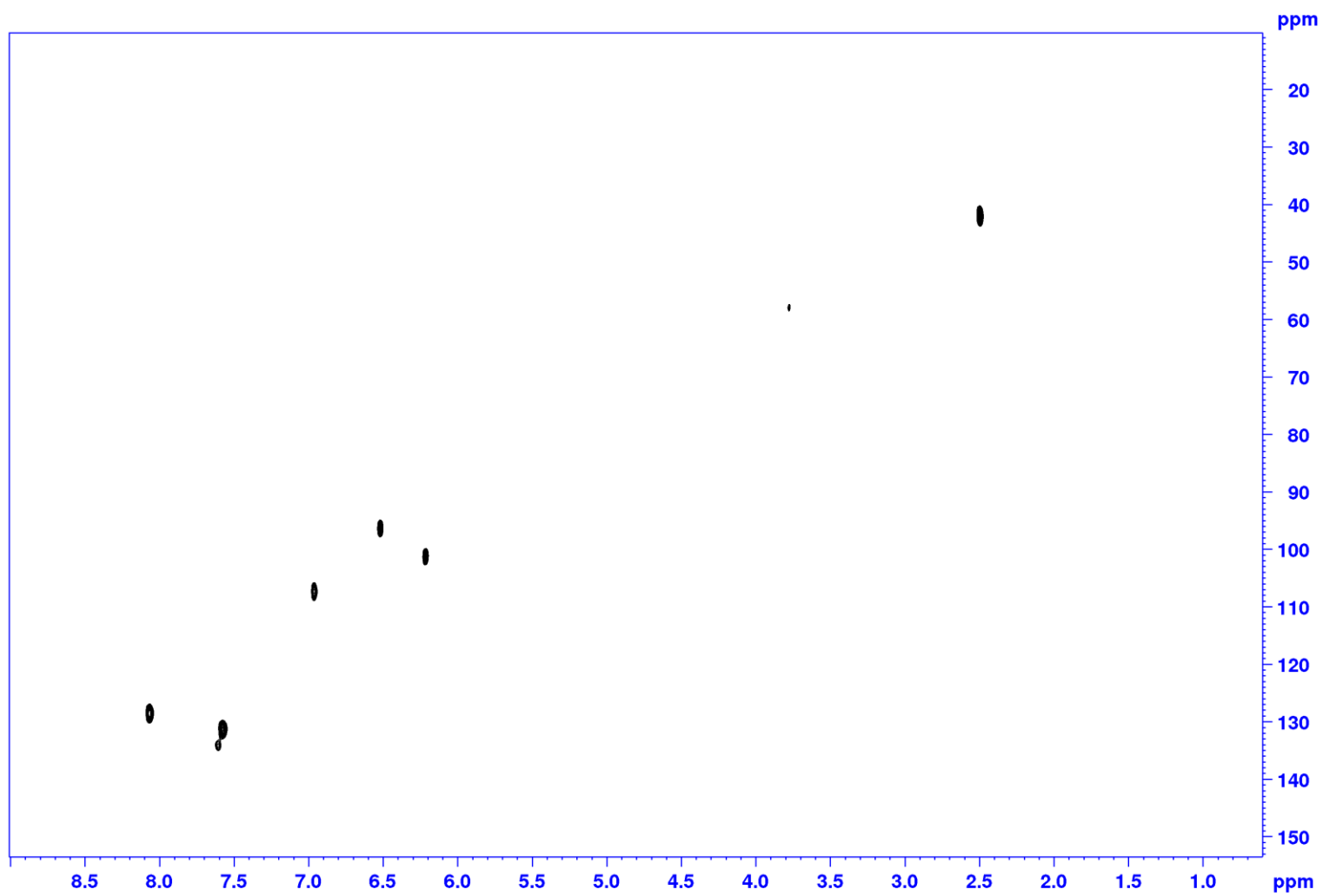
HSQC spectrum of benzyl coumarate



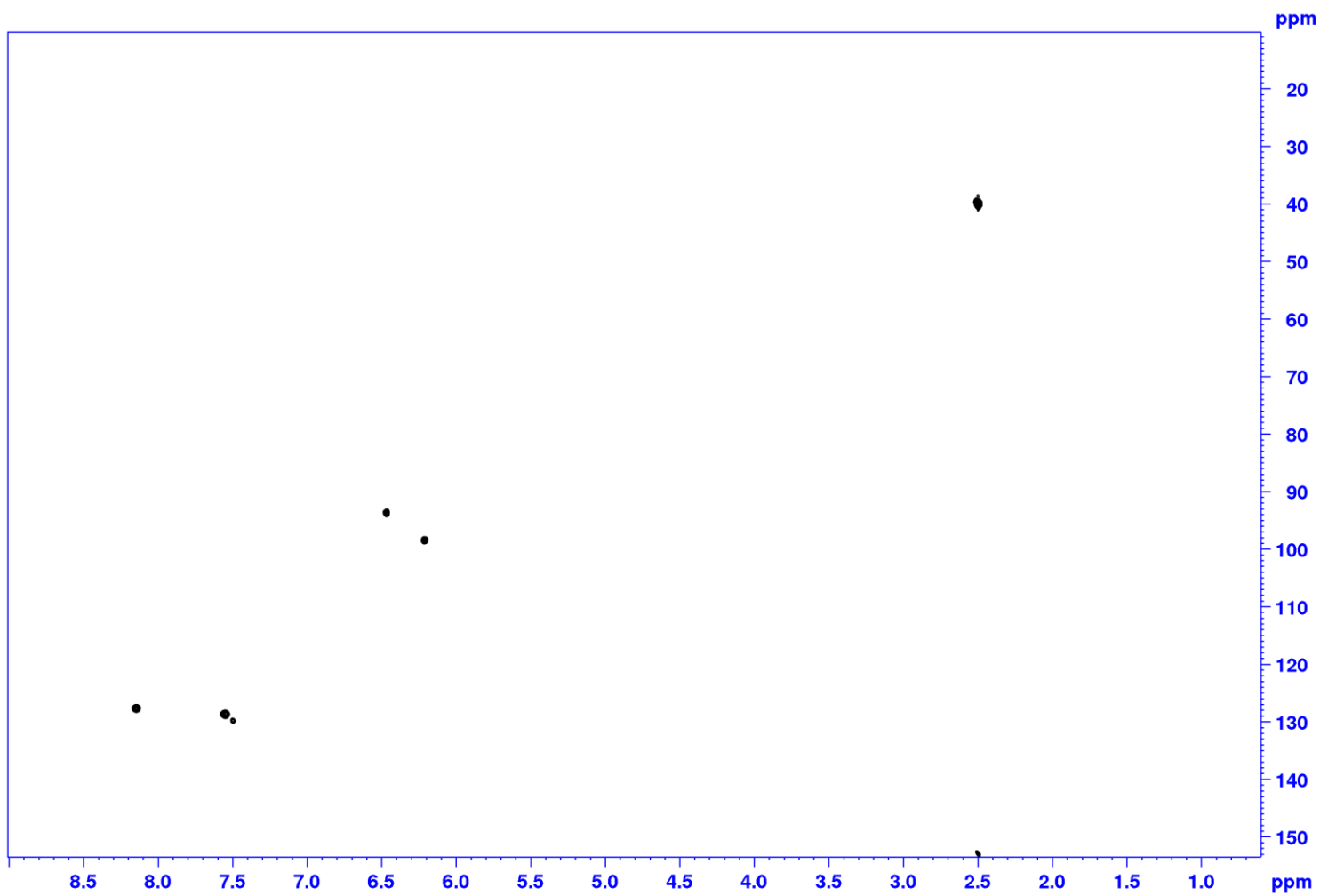
HSQC spectrum of low altitude propolis



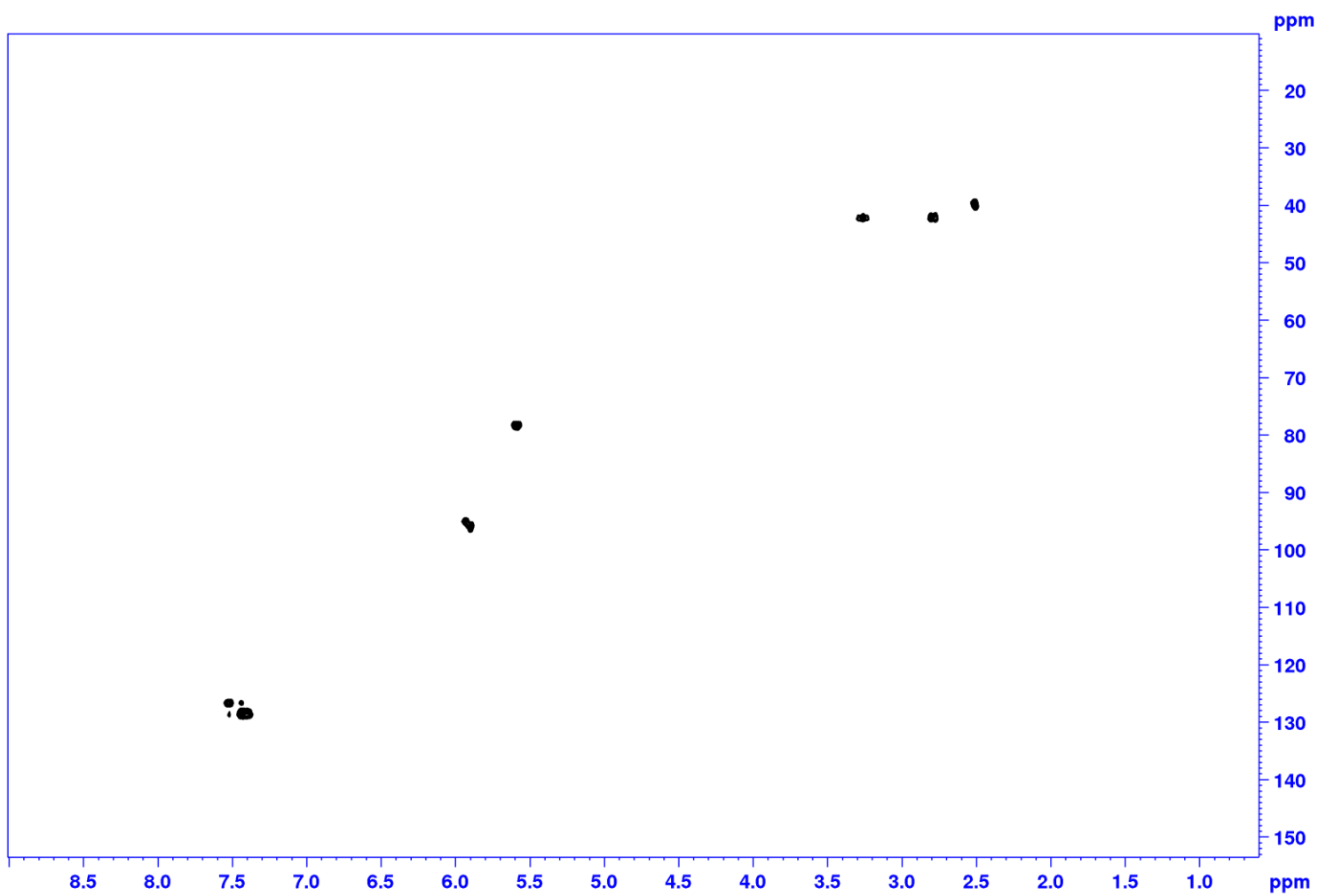
HSQC spectrum of chrysin



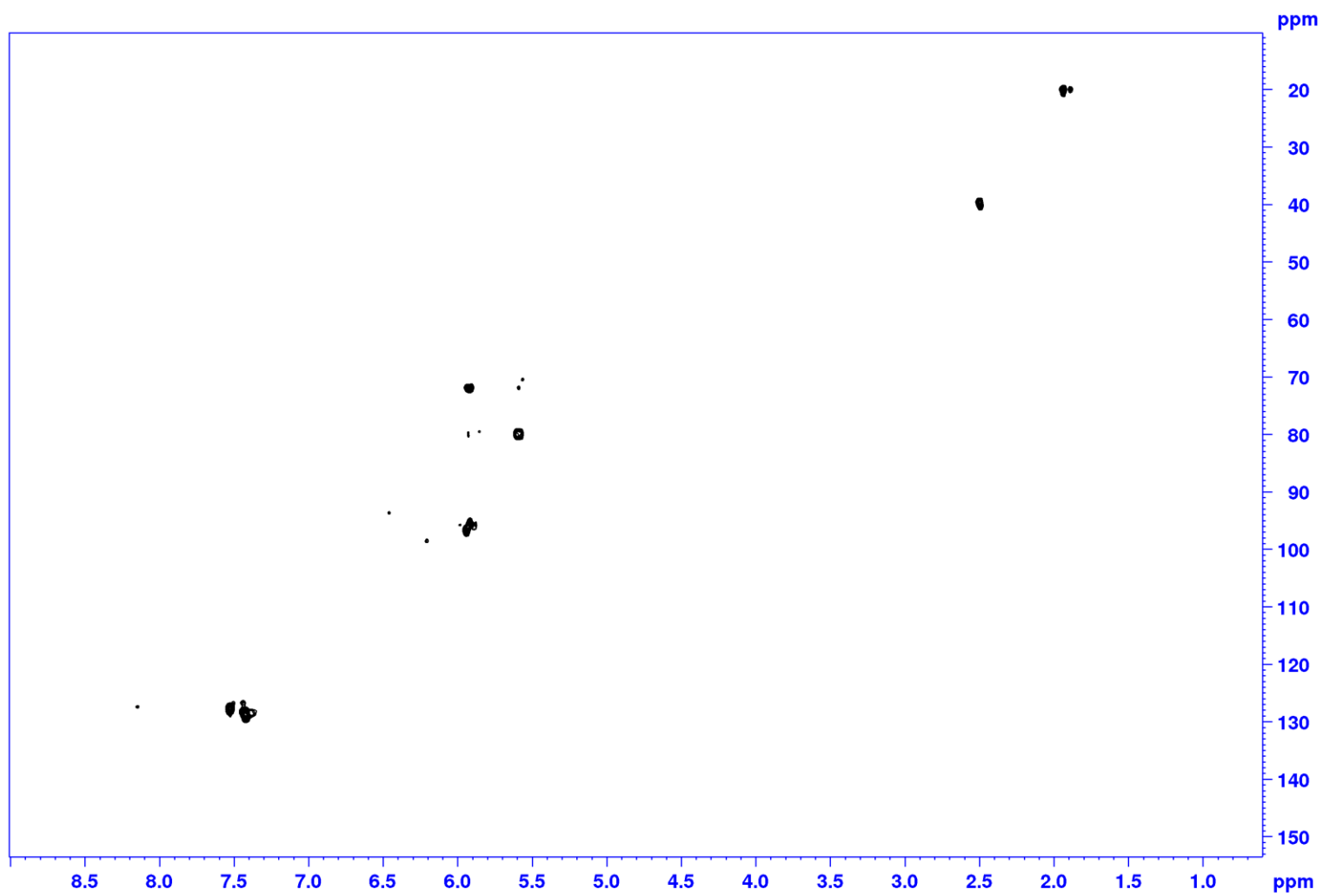
HSQC spectrum of galangin



HSQC spectrum of pinocembrin



HSQC spectrum of pinobanksin 3-O-acetate



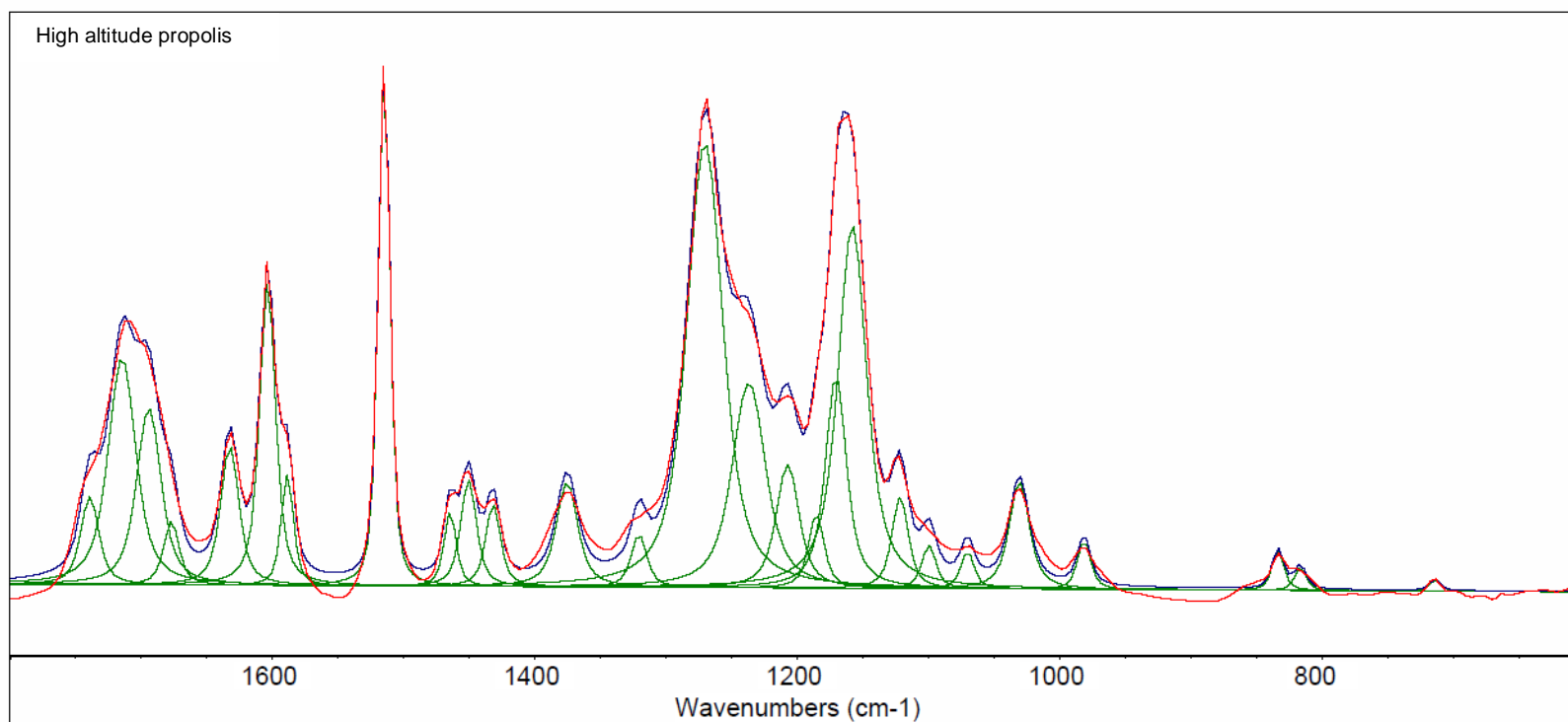
2. IR spectra

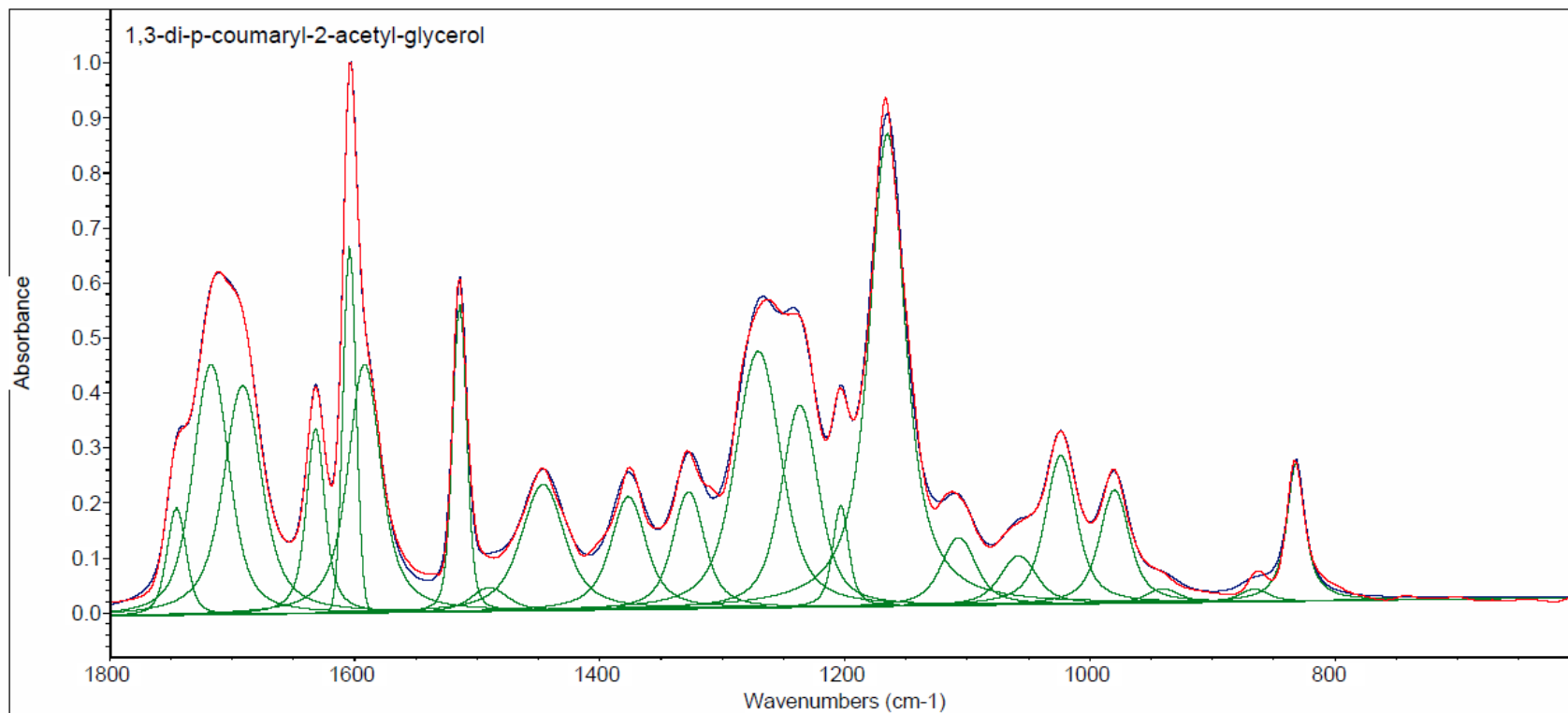
2.1 IR spectra deconvolution

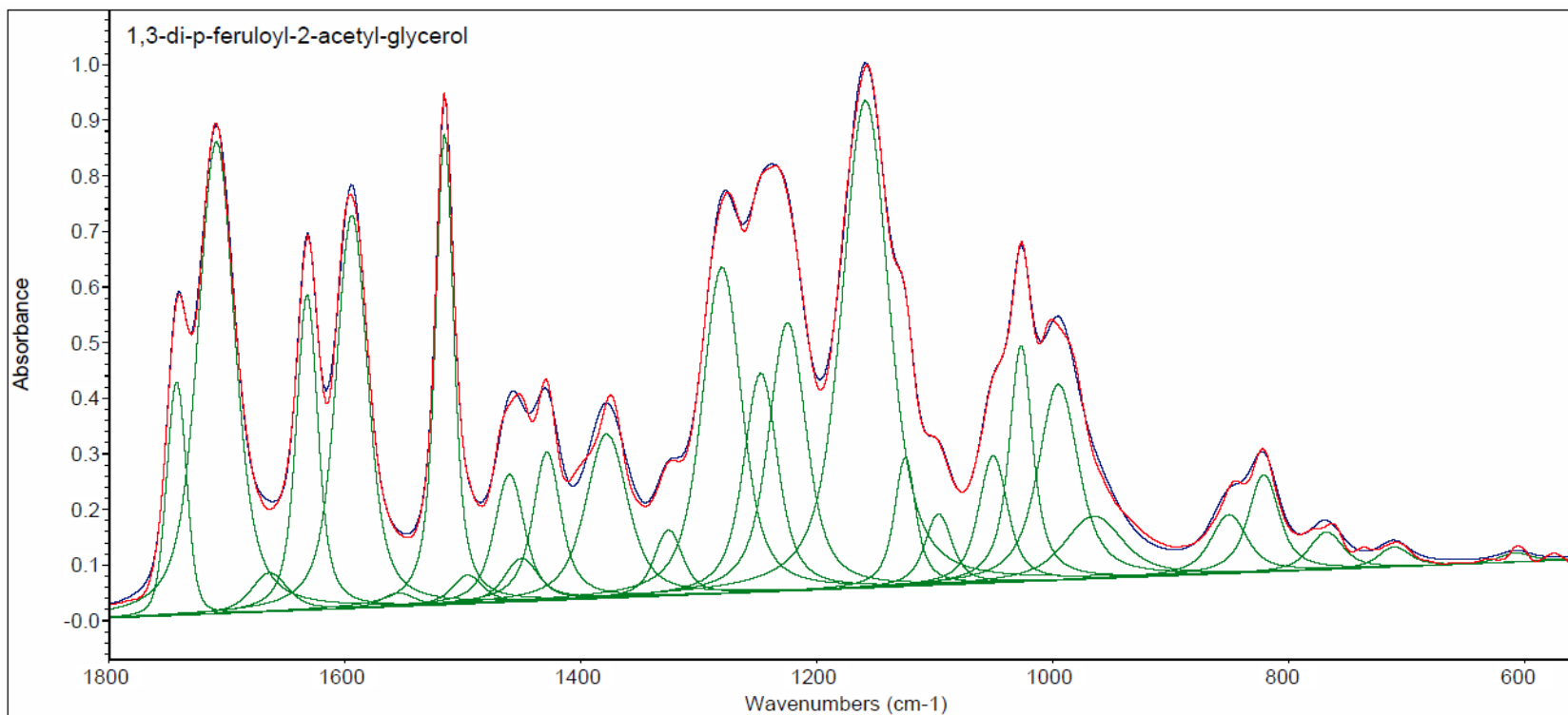
Red – recorded spectrum

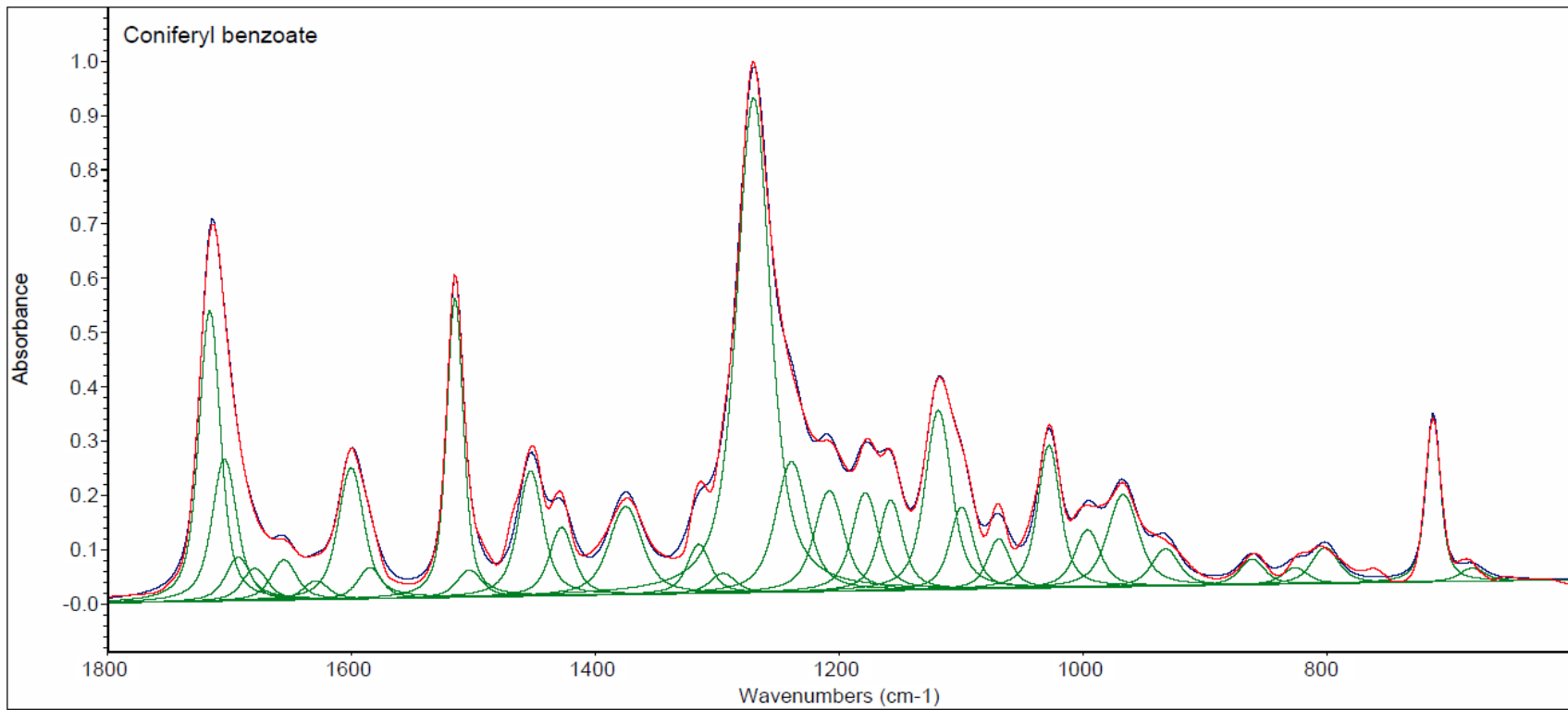
Green – spectrum deconvolution

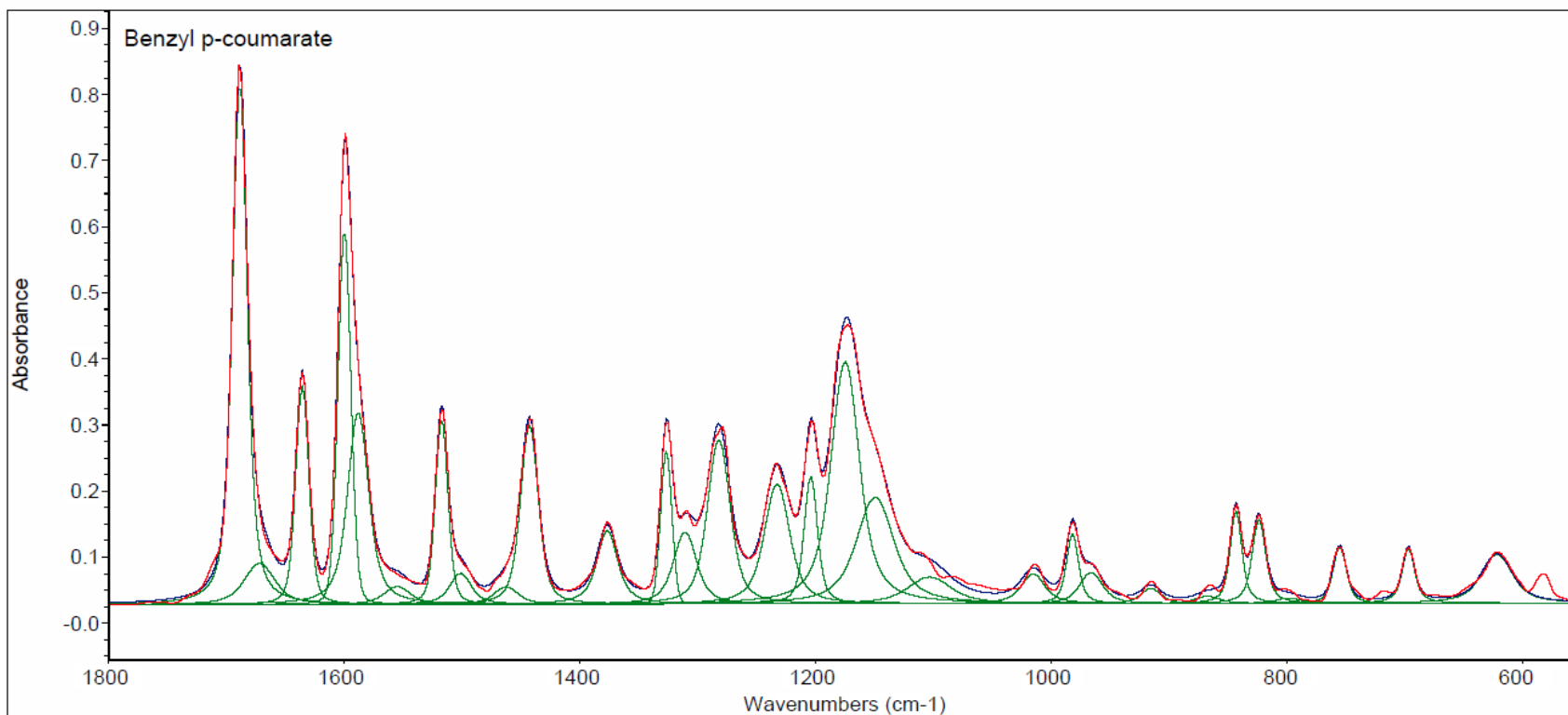
Blue – sum of deconvoluted spectrum

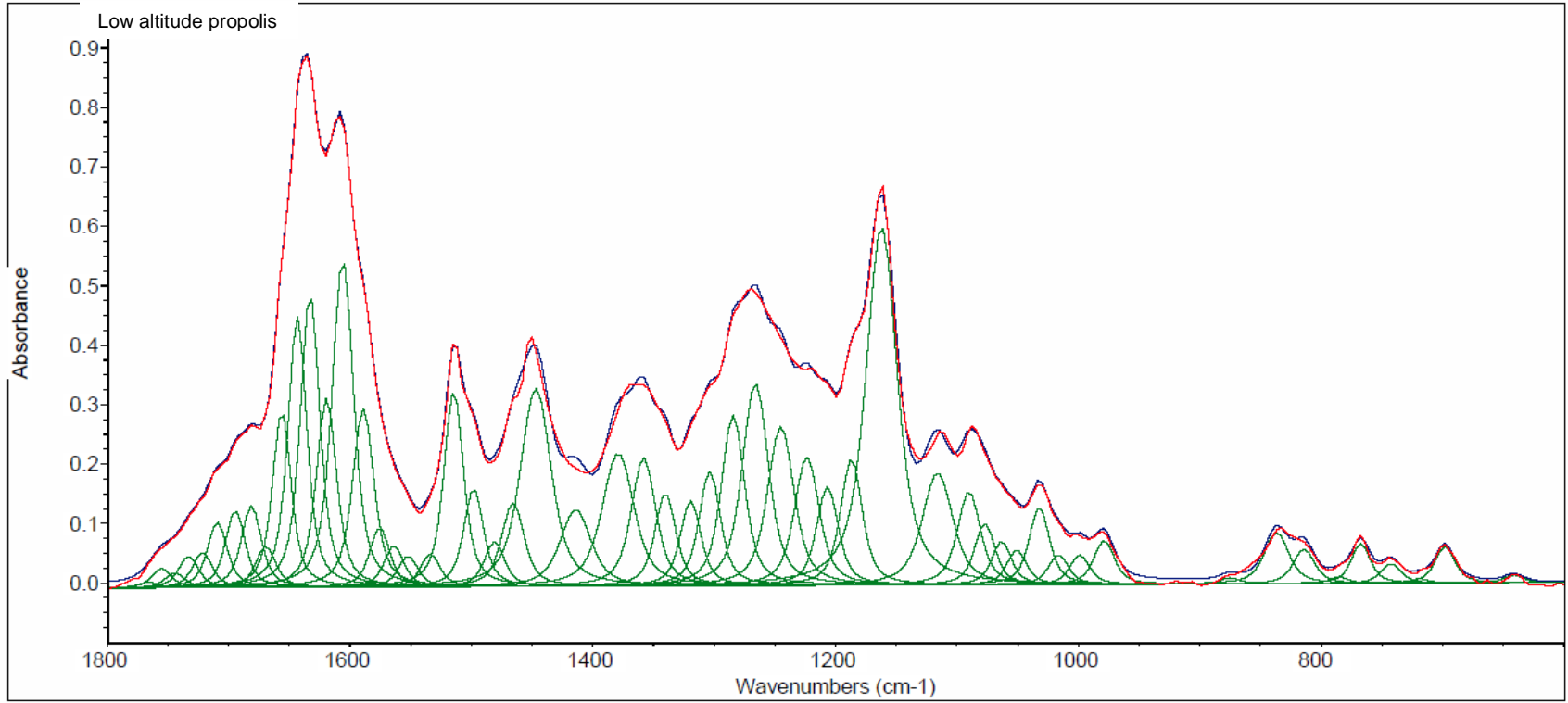


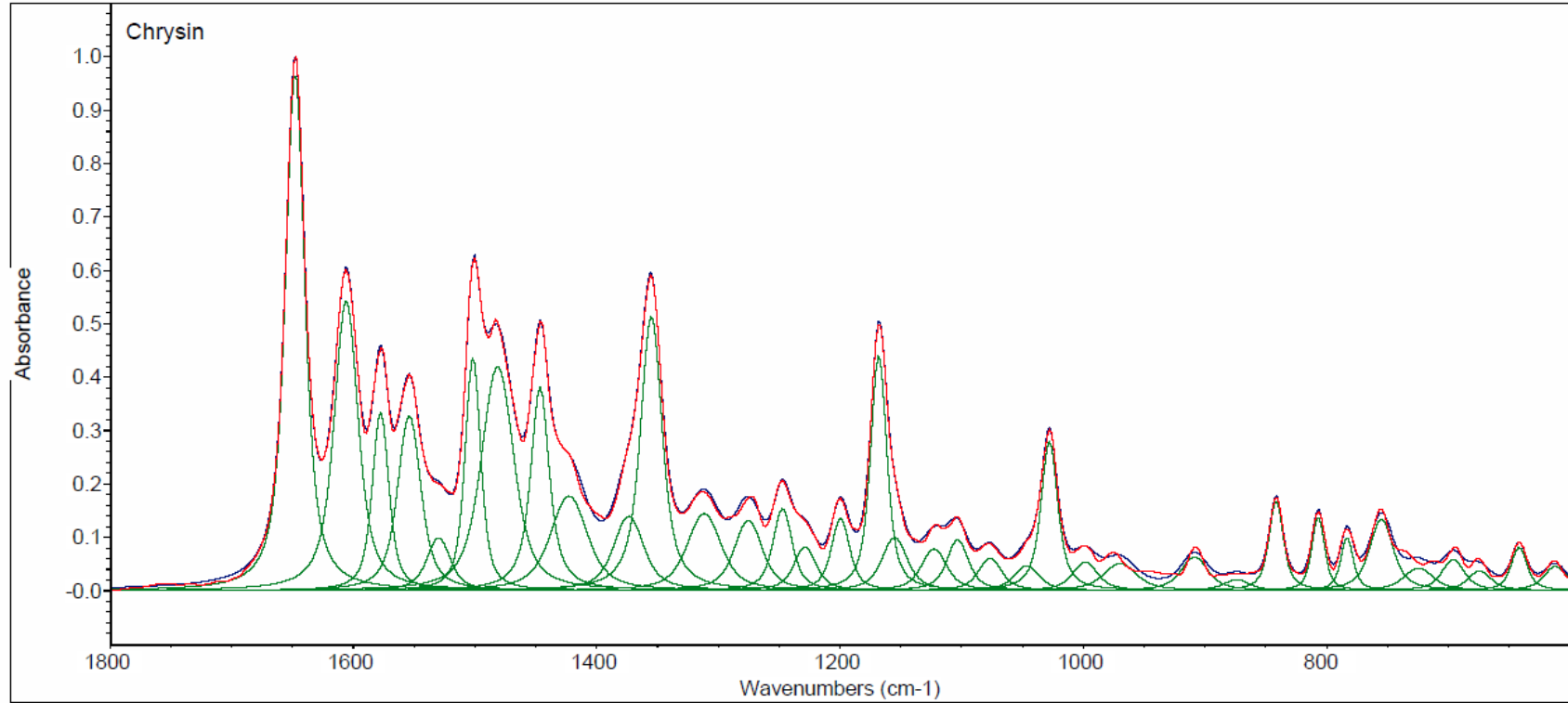


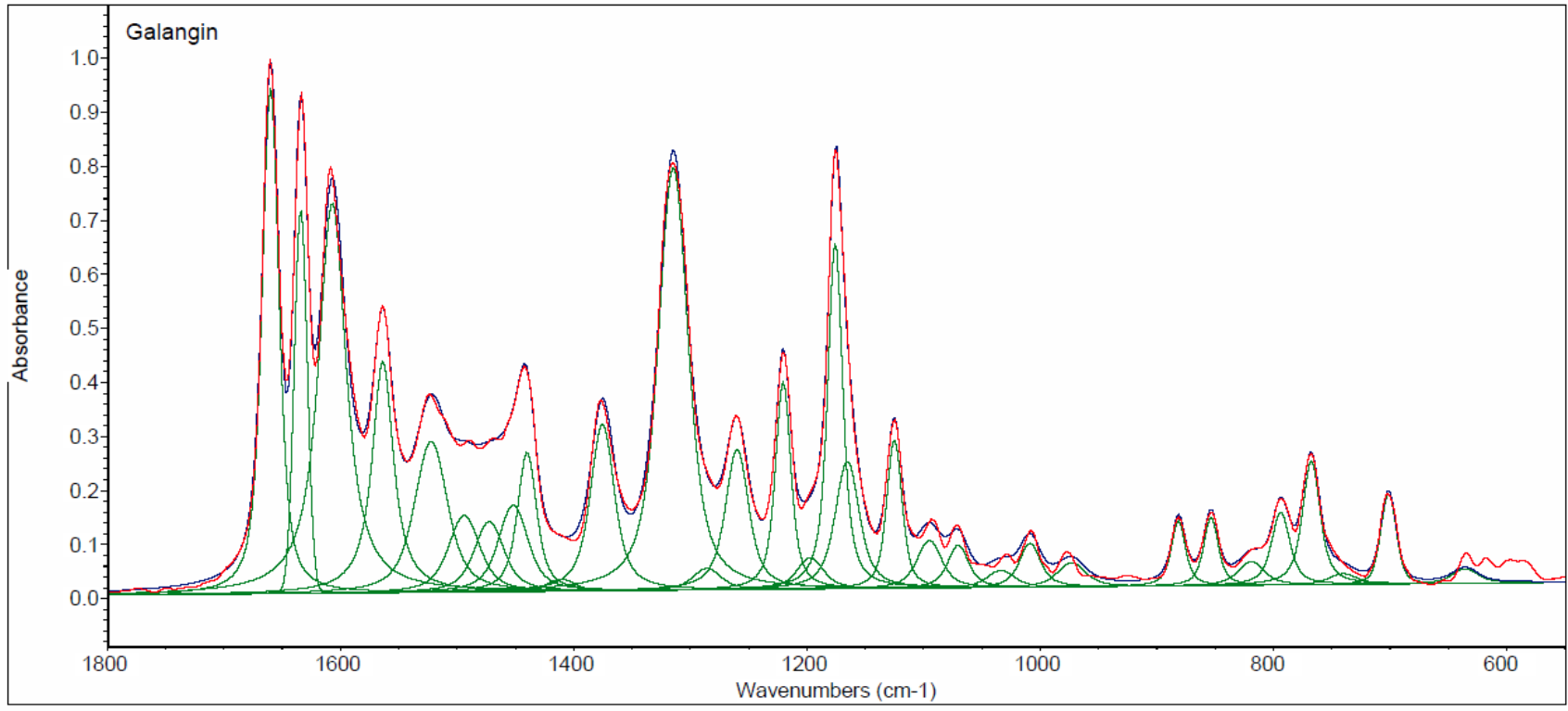


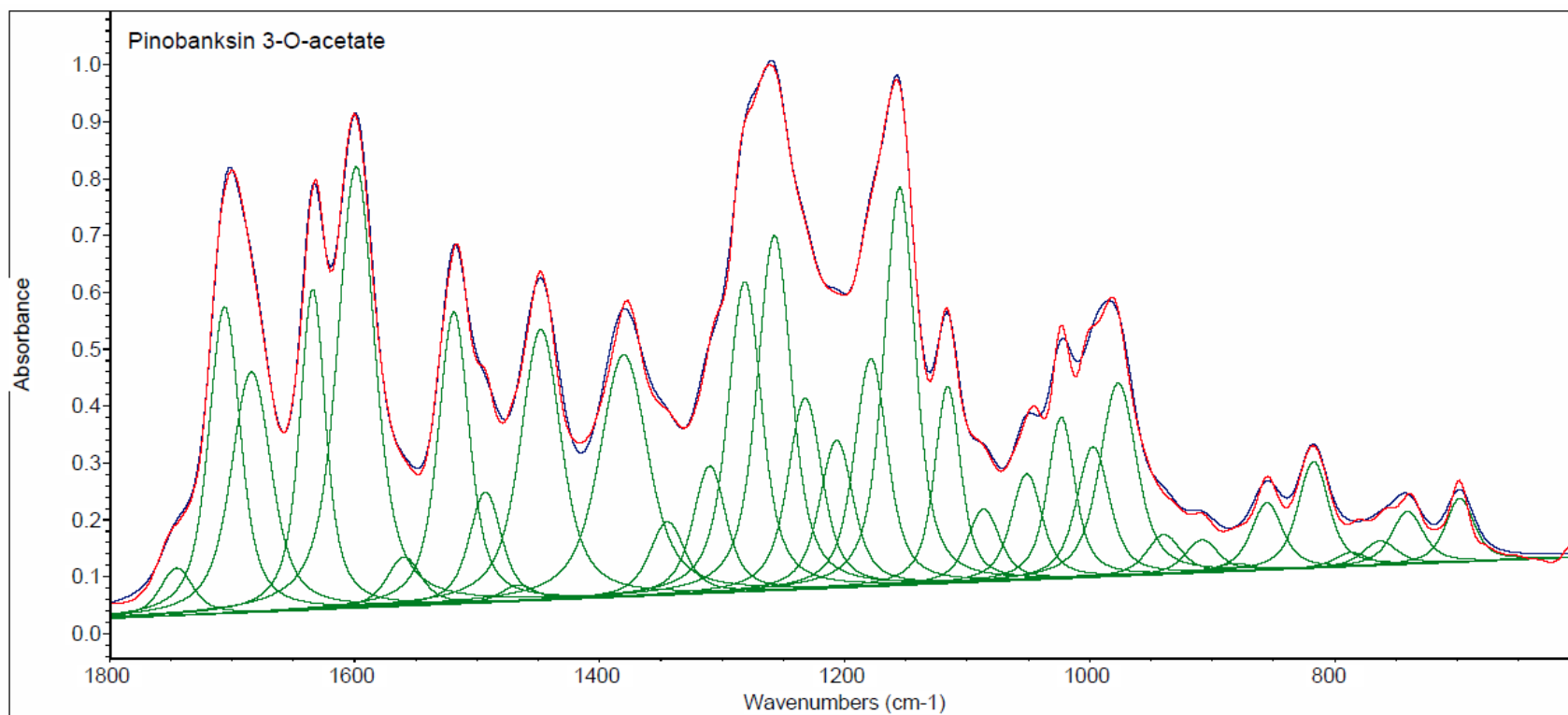


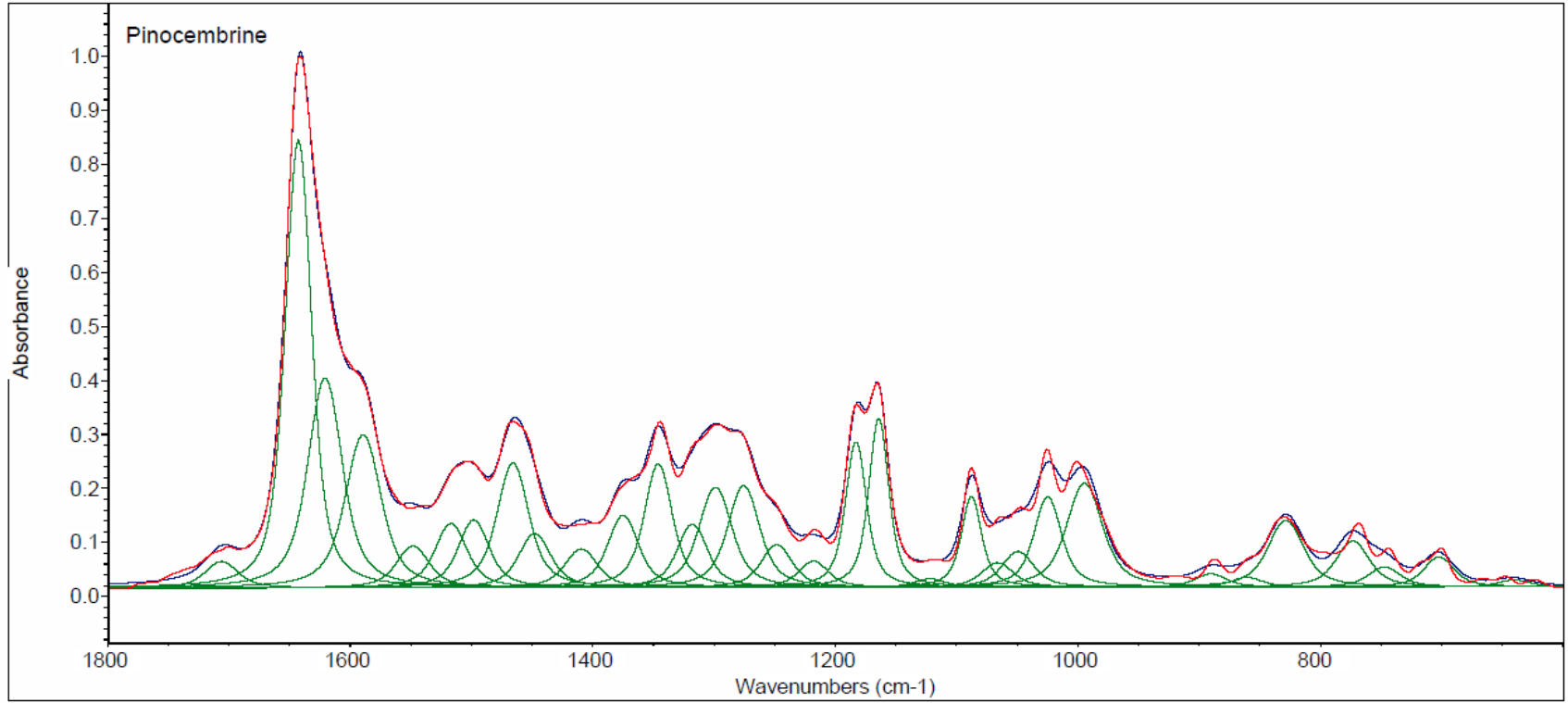




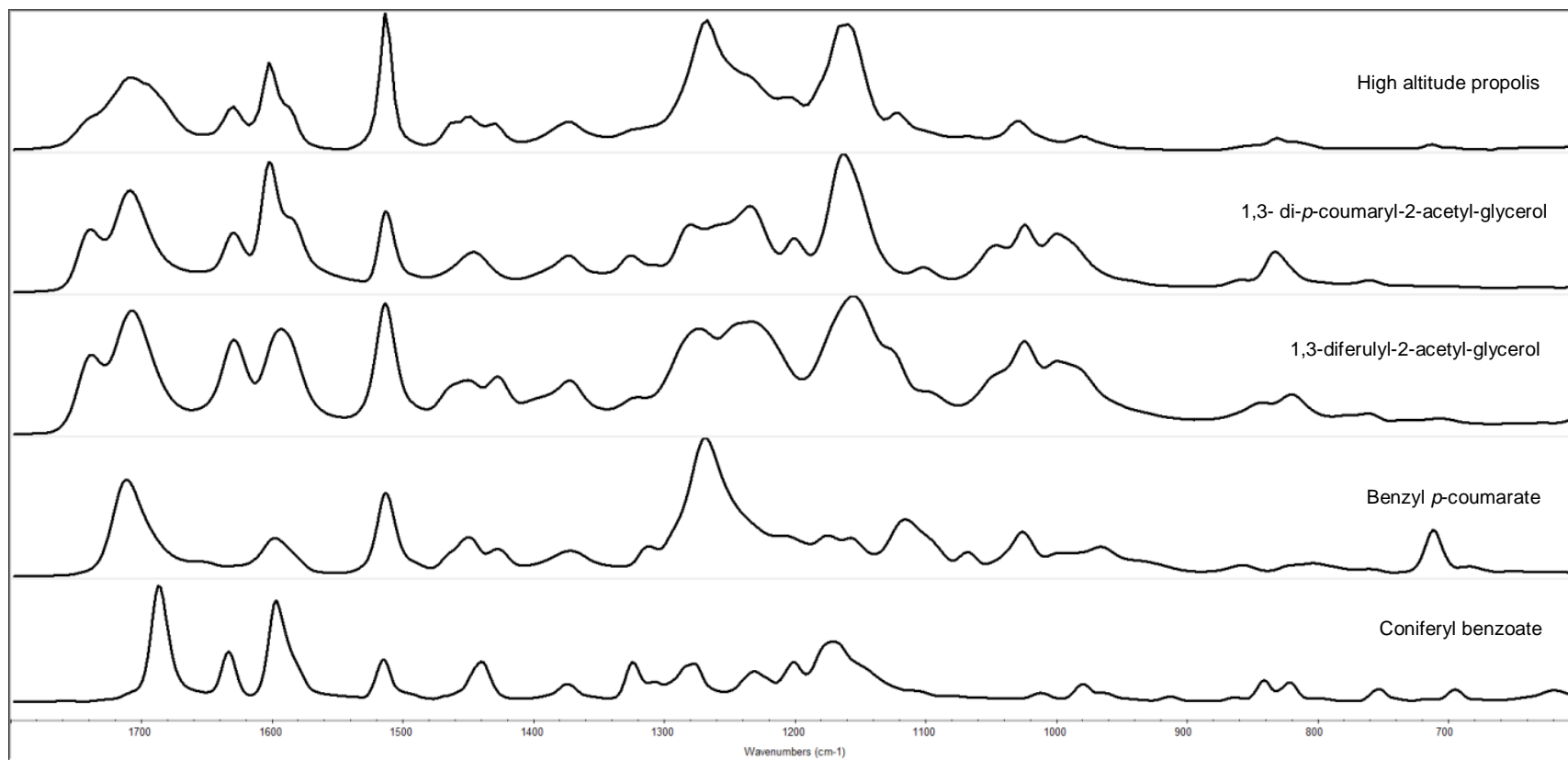


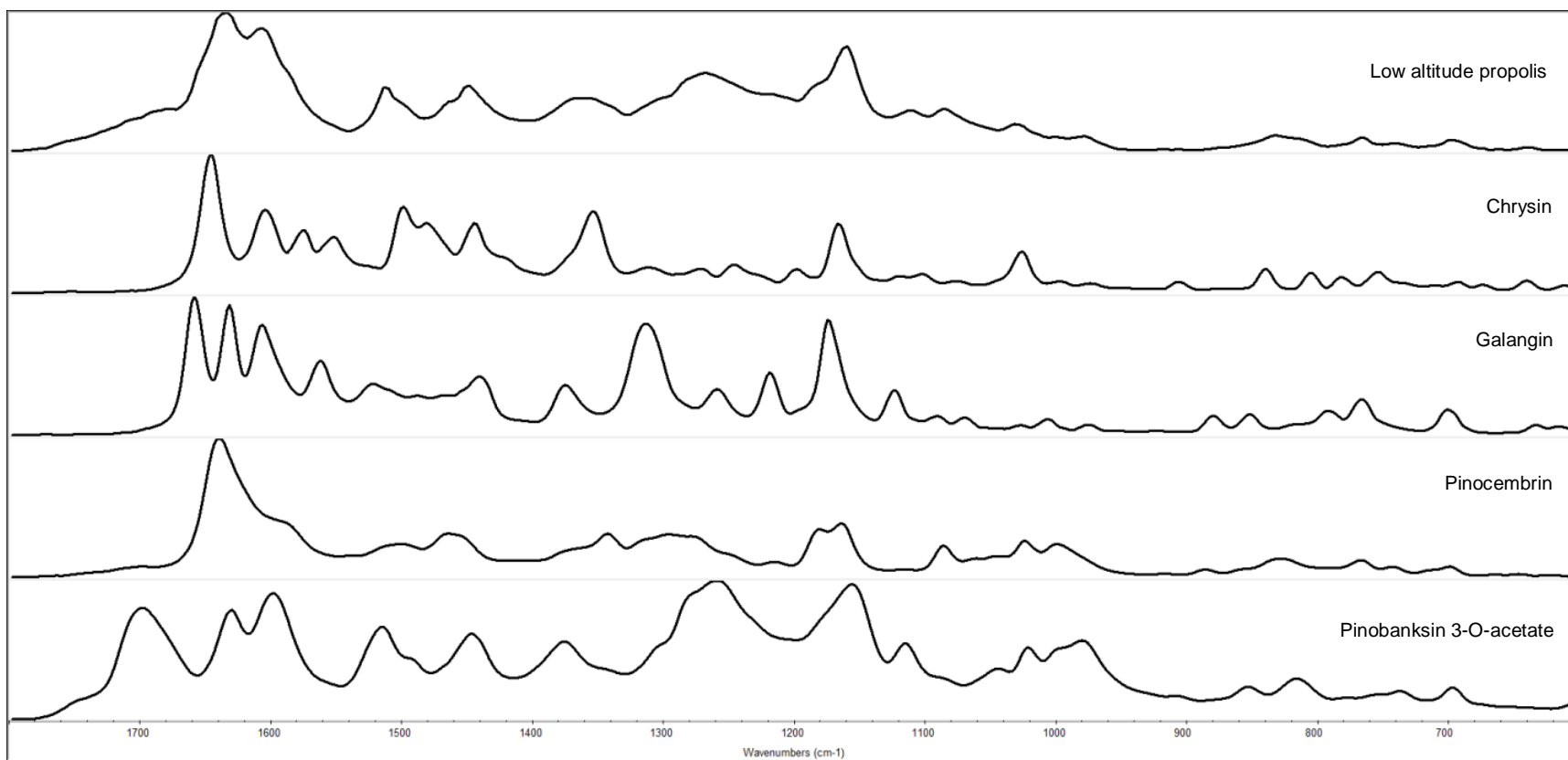






2.2 comparative IR spectra of propolis and pure compounds





4. Comparative UV spectra of propolis and pure compounds

