

Supplementary material

Comprehensive Characterization of Chemical Composition and Antioxidant Activity of Lignan-rich Coniferous Knotwood Extractives

Contents:

Figure S1. Areas of trees harvesting in the Arkhangelsk region of Russia.

Figure S2. An example of 2D-NMR workflow for unknown compound structure elucidation in complex mixture using ACD/Labs expert system.

Figure S3. Tandem mass spectra of the major lignans in knotwood extracts and assignment of the product ions (A – hydroxymatairesinol; B – secoisolariciresinol; C – nortrachelogenin).

Figure S4. HPLC-DAD chromatograms (280 nm) of the knotwood PLE extracts.

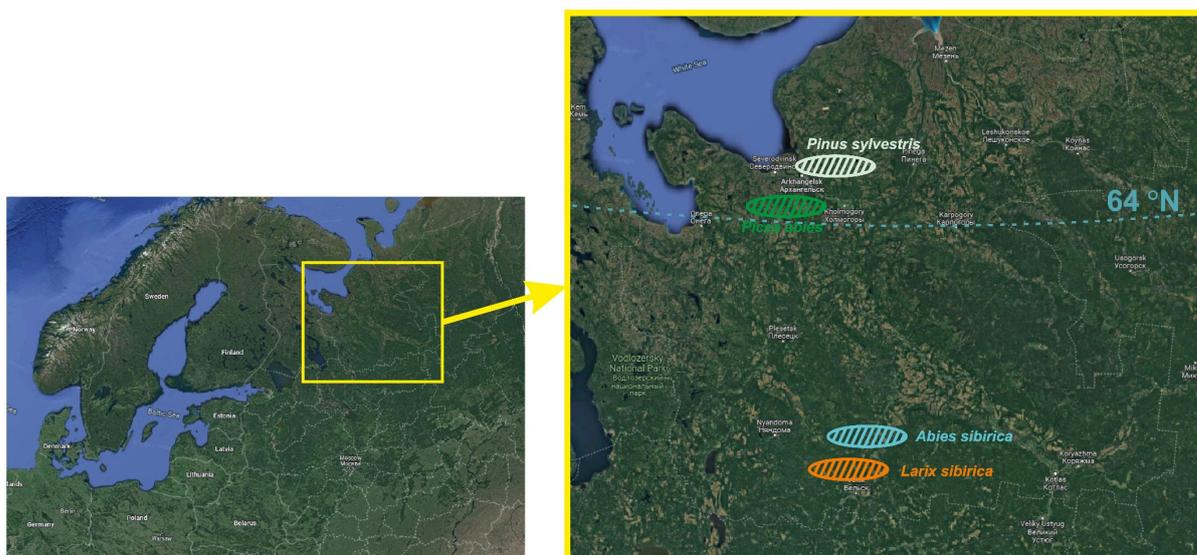


Figure S1. Areas of trees harvesting in the Arkhangelsk region of Russia

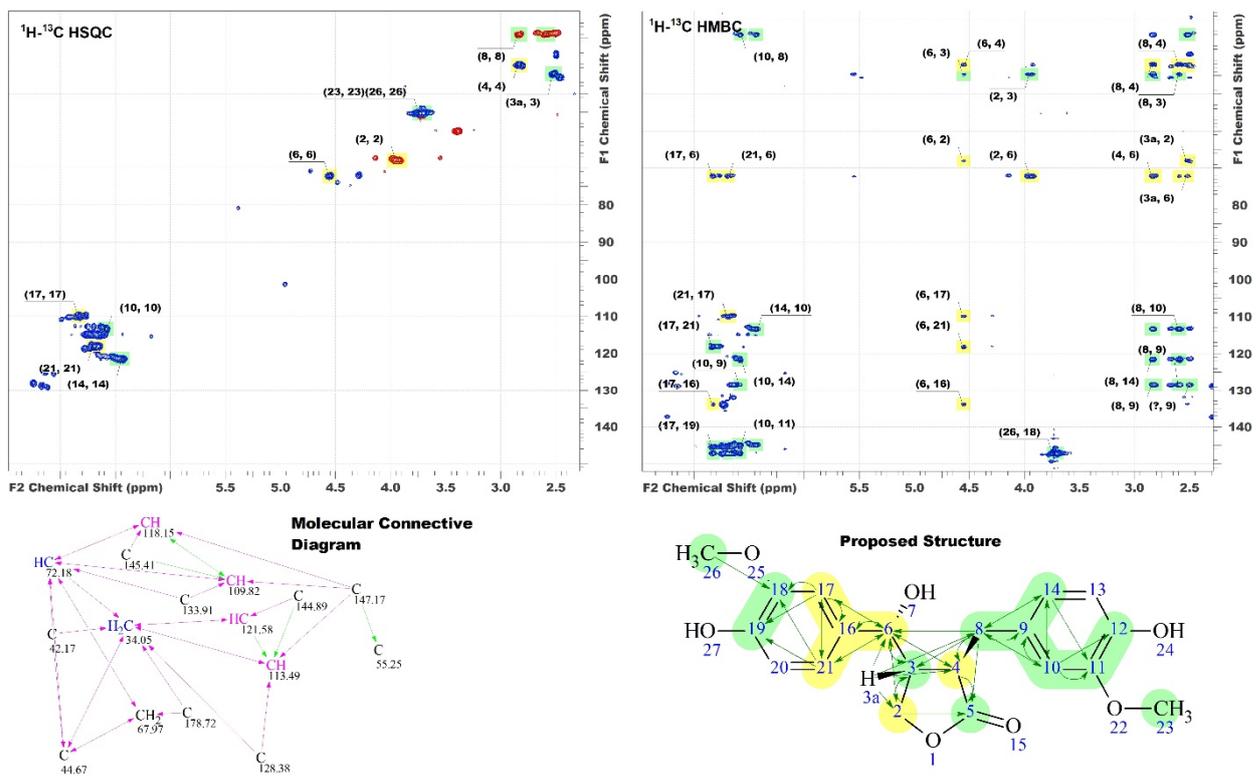


Figure S2. An example of 2D-NMR workflow for unknown compound structure elucidation in complex mixture using ACD/Labs expert system

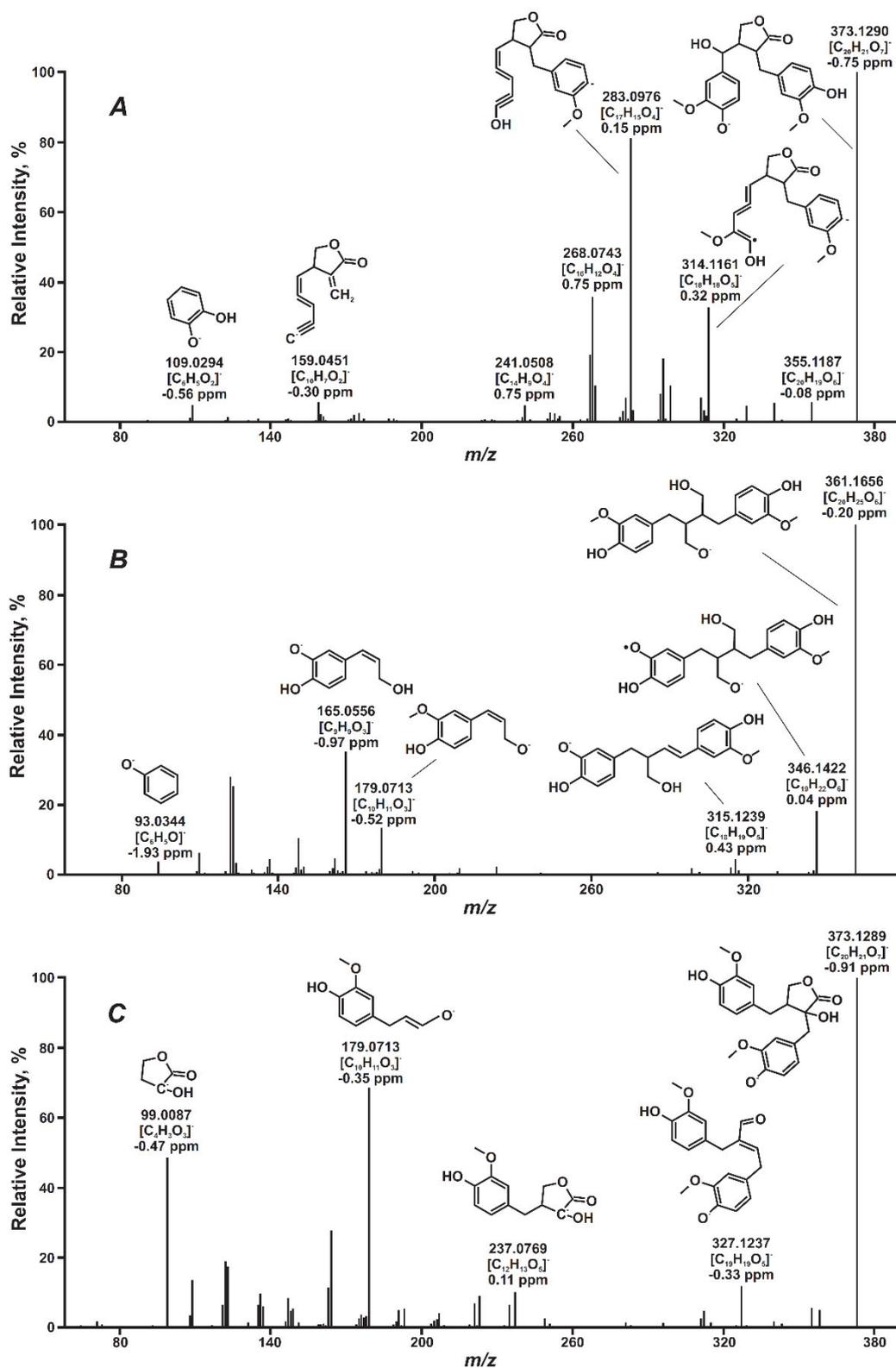


Figure S3. Tandem mass spectra of the major lignans in knotwood extracts and assignment of the product ions (A – hydroxymatairesinol; B – secoisolariciresinol; C – nortrachelogenin)

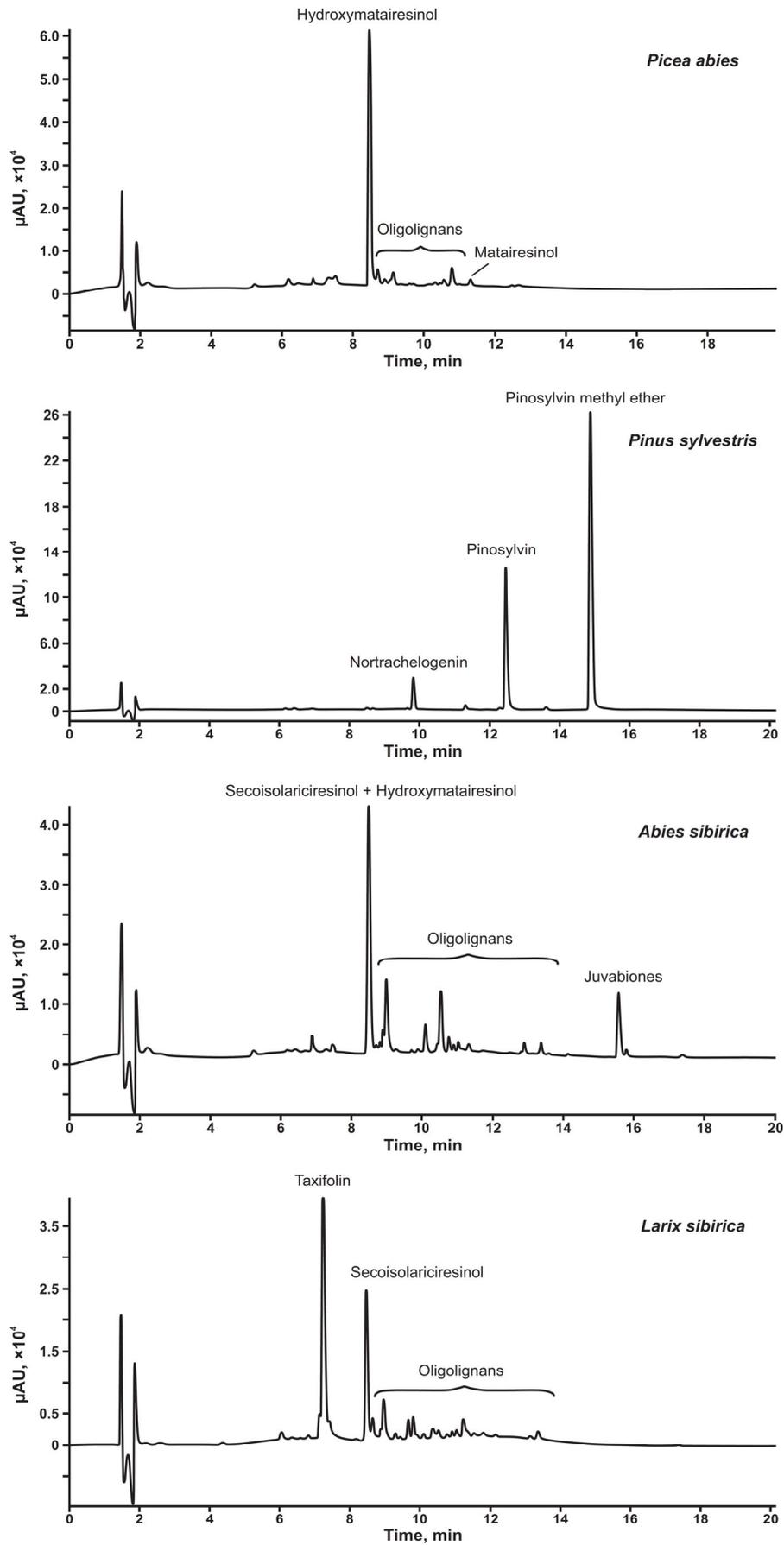


Figure S4. HPLC-DAD chromatograms (280 nm) of the knotwood PLE extracts