

Supporting Information for

Reductive fractionation of woody biomass into lignin monomers and cellulose by tandem metal triflate and Pd/C catalysis

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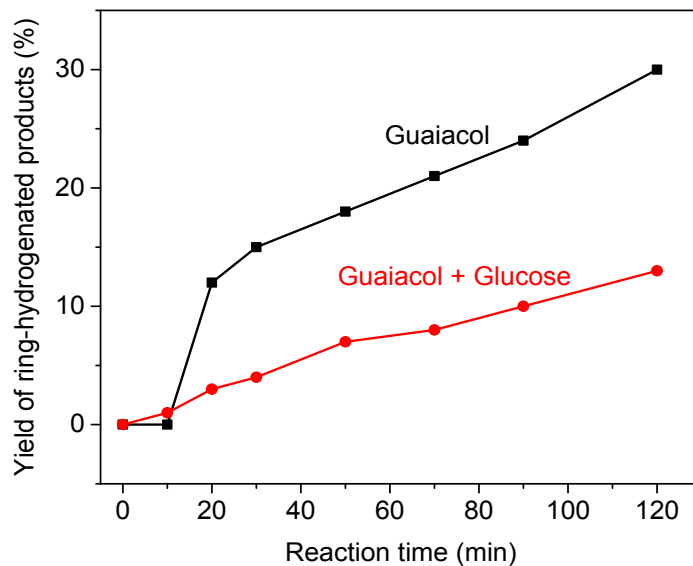


Figure S1 Yield of ring-hydrogenated products obtained from hydrogenation reaction of Guaiacol (black) and Guaiacol + Glucose (red) in methanol in presence of Pd/C catalyst at 160 °C for 2 h.

Figure S1 shows the yield of ring-hydrogenated products as function of reaction time. The results attest to the lower rate of ring hydrogenation of guaiacol in the presence of sugars. Therefore, we can conclude that the presence of hydroxyl-rich sugars in the reaction mixture play a role in suppressing to a significant extent ring hydrogenation of the aromatic monomer products.