

Supporting Information H. Ohno et al. Paper Ref.: C003976D

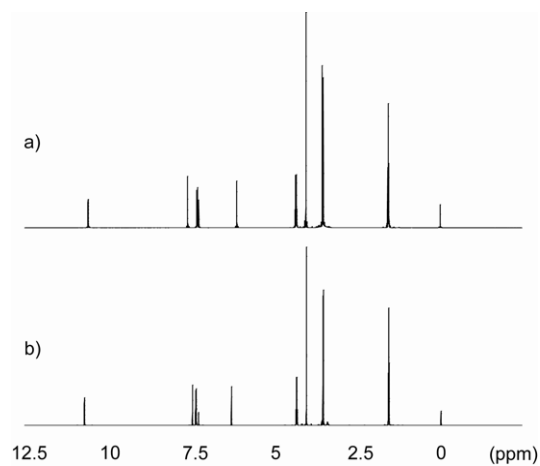


Fig. S1 ^1H NMR spectra of the $[\text{C}_2\text{mim}][(\text{MeO})(\text{H})\text{PO}_2]$ before (a) and after (b) extraction experiments.

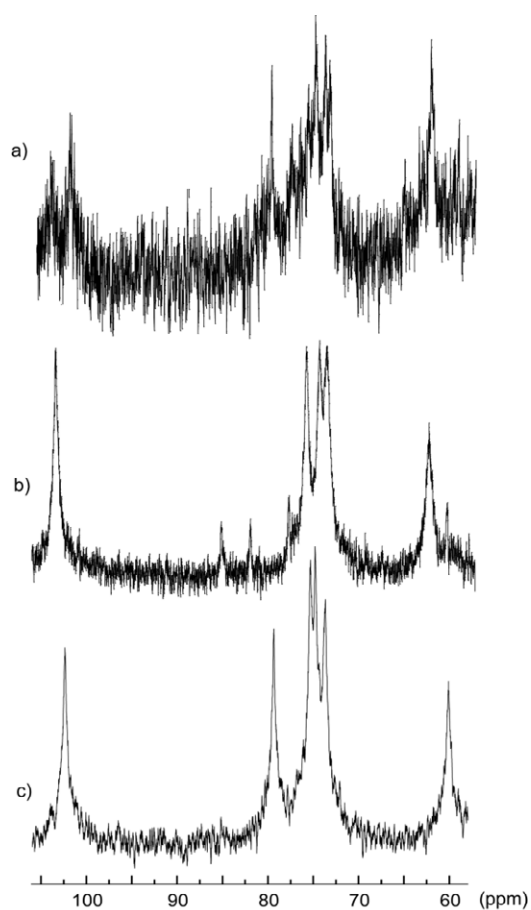


Fig. S2 ^{13}C NMR spectrum of the extract obtained after dissolving bran in $[\text{C}_2\text{mim}][(\text{MeO})(\text{H})\text{PO}_2]/\text{DMSO}-d_6$ for 30 min at 50 °C (a), and of 5 wt% solutions of xylan (b) and microcrystalline cellulose (c) in the same solvent system.

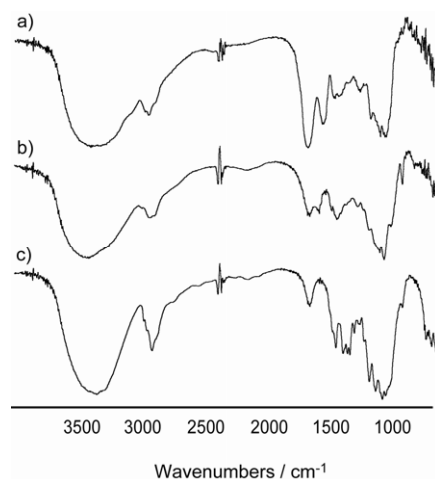


Fig. S3 IR-spectra of extracted polysaccharides from bran (a), and of samples of xylan (b), and microcrystalline cellulose (c).

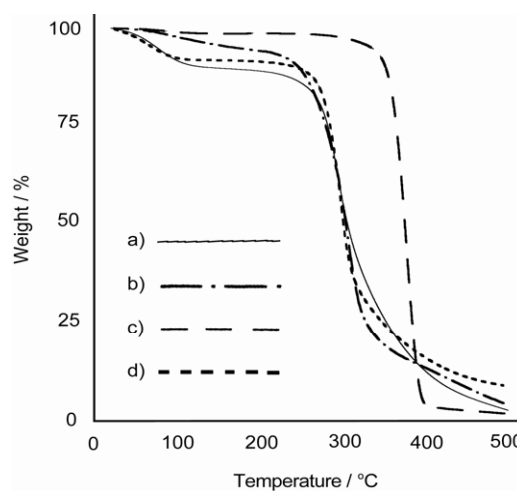


Fig. S4 Thermal decomposition profiles of extracted polysaccharides from bran (a), and of samples of xylan (b), and microcrystalline cellulose before (c) and after (d) dissolution in [C₂mim][(MeO)(H)PO₂].