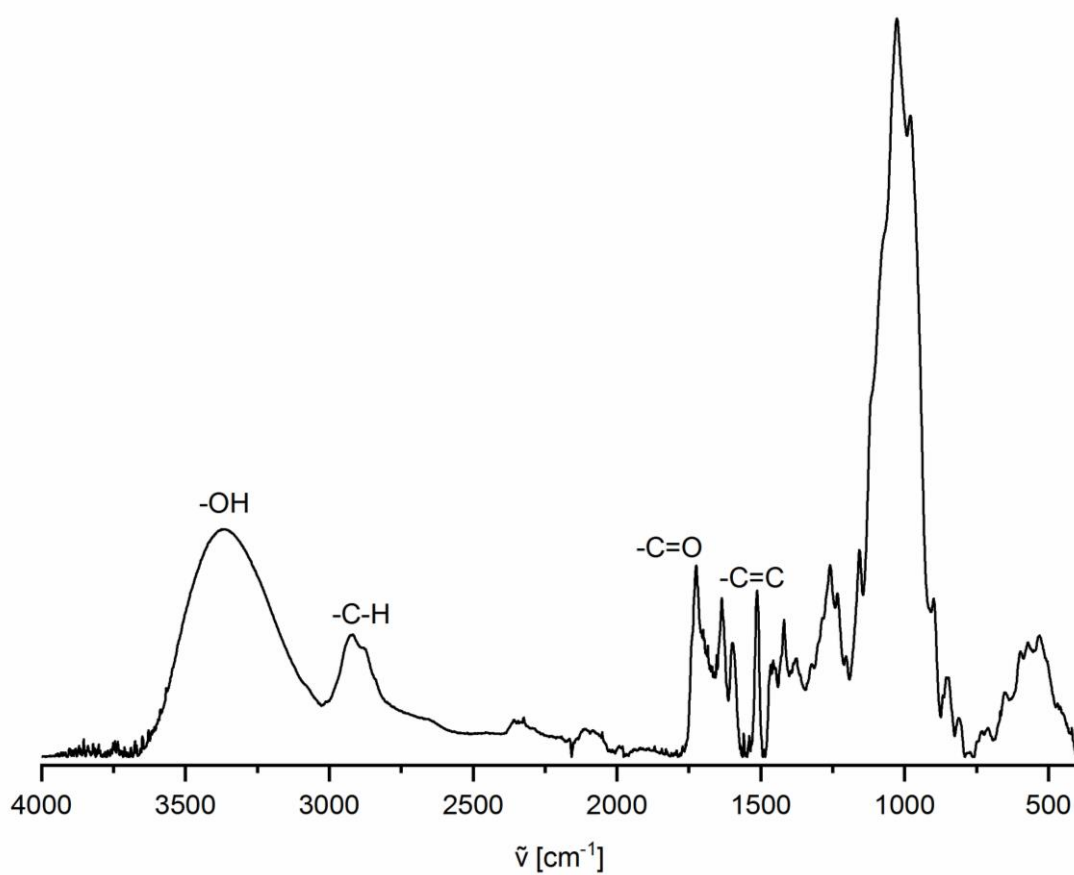


Supplementary Information (SI)

Overcoming challenges in the synthesis of a lignin-carbohydrate complex (LCC) model – Mitsunobu versus Appel product

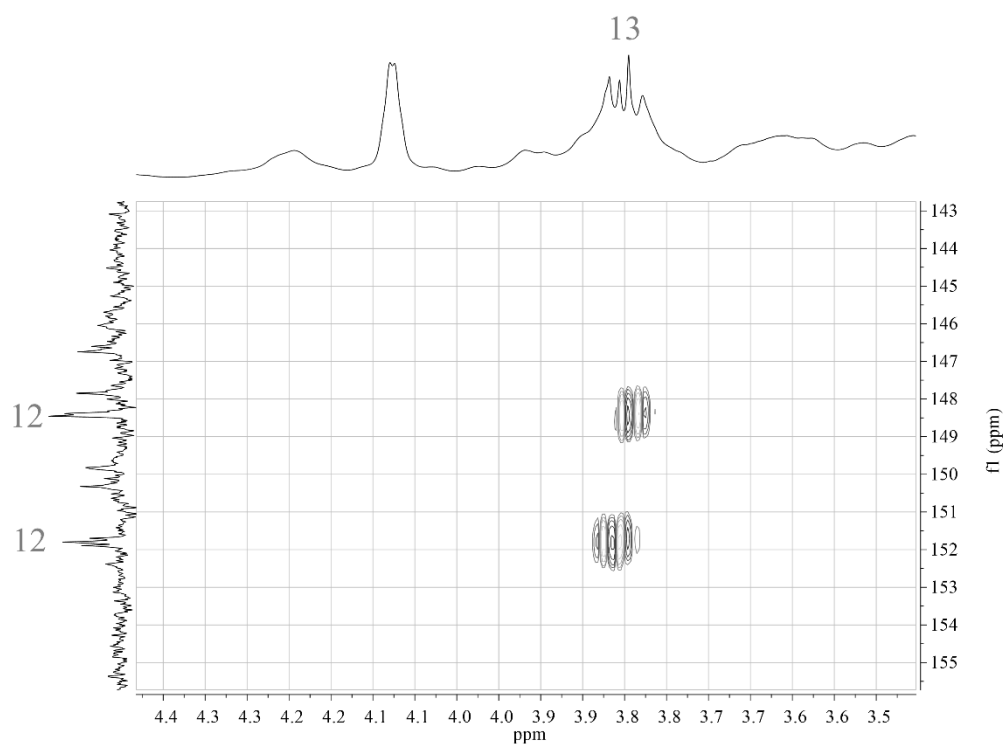
Thomas Elschner, Erica Brendler, Steffen Fischer*

Figure S1:



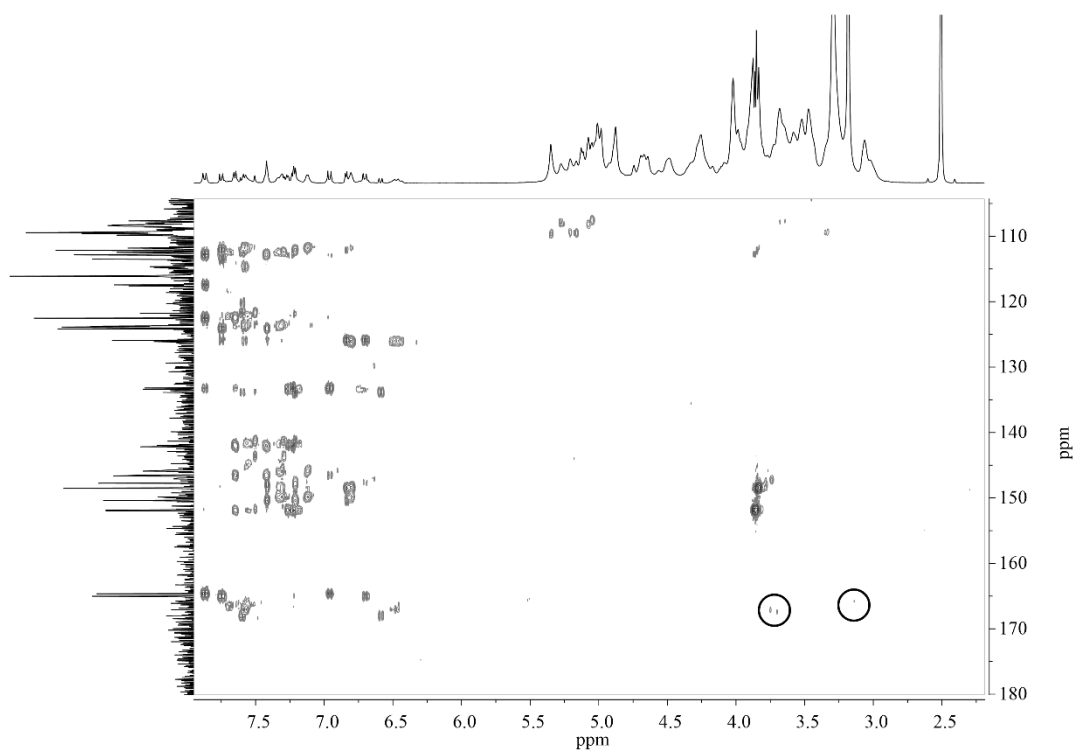
FTIR spectrum of arabinoxylan ferulate **3a**.

Figure S2:



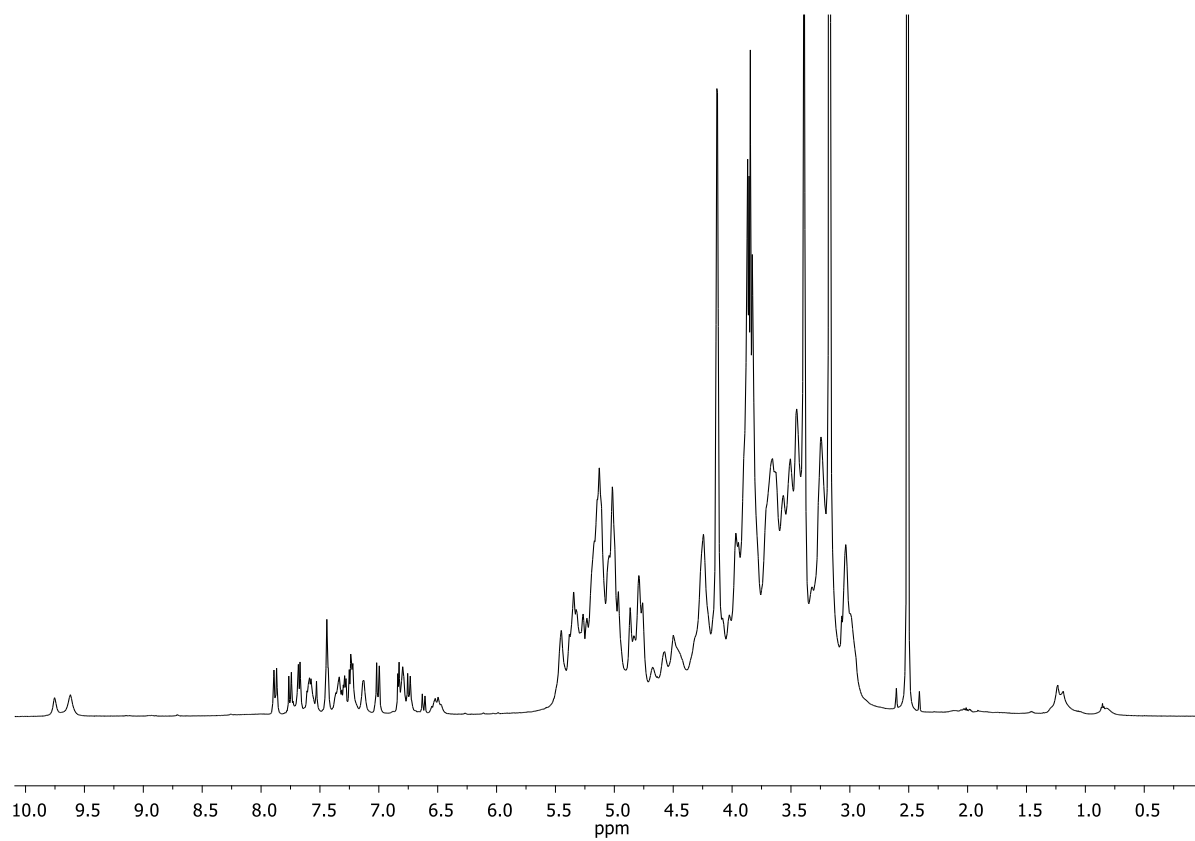
Section 1 of HMBC NMR spectrum of arabinoxylan ferulate **3a** recorded in DMSO-d₆.

Figure S3:



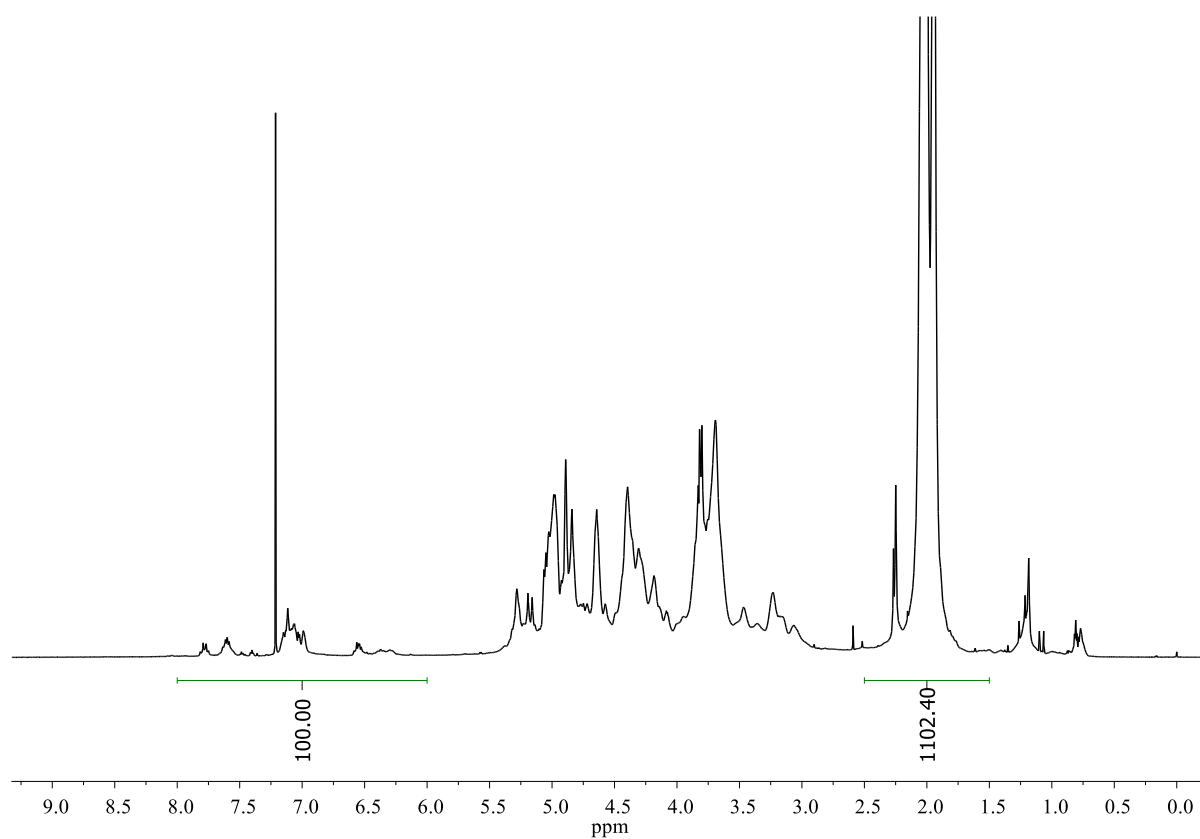
Section 2 of HMBC NMR spectrum of arabinoxylan ferulate **3a** recorded in DMSO-d₆.

Figure S4:



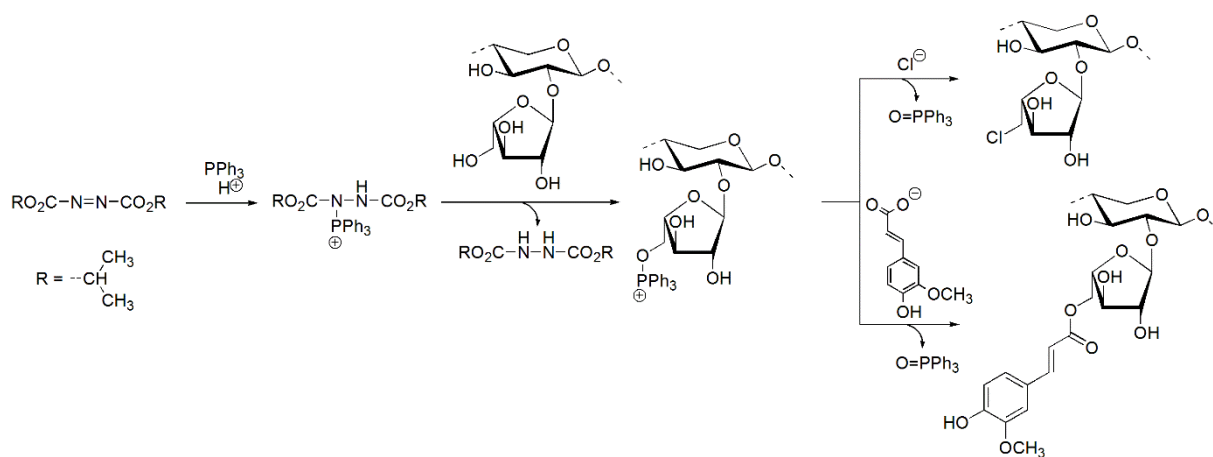
¹H NMR spectrum of arabinoxylan ferulate **3a** recorded in DMSO-d₆.

Figure S5:



^1H NMR spectrum of peracetylated arabinoxylan ferulate **3a** recorded in CDCl_3 .

Scheme S1:



Reaction mechanism describing the formation of Mitsunobu and Appel product.