

Supplementary Material

Recovery of the PHA Copolymer P(HB-*co*-HHx) with Non-Halogenated Solvents: Influences on Molecular Weight and HHx-Content

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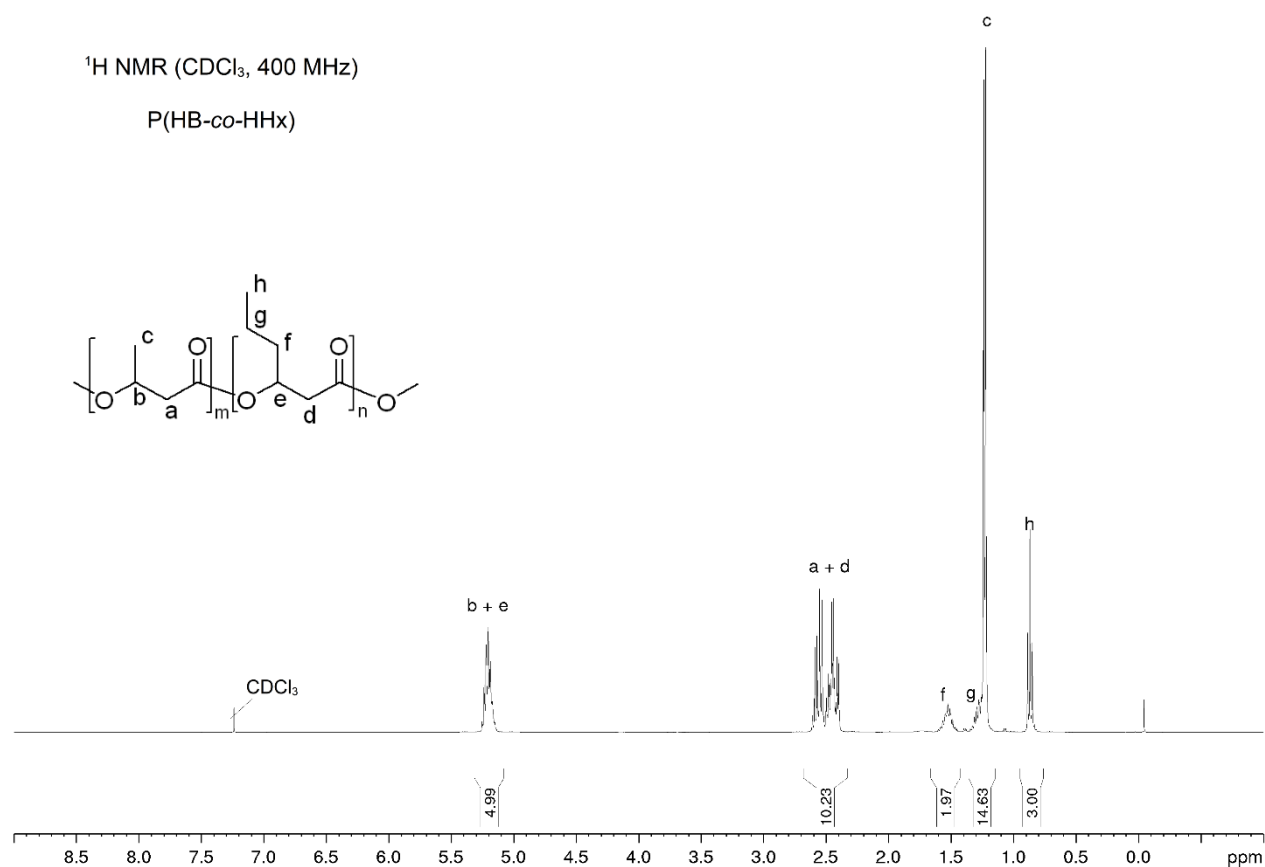


Figure S1 | ¹H NMR spectrum of P(HB-*co*-HHx) with chloroform at RT for 2 h and precipitated with heptane. ¹H NMR (CDCl₃, 400 MHz): δ = 5.17 – 5.23 (m, 1H), 5.17 – 5.23 (m, 1H), 2.46 – 2.61 (m, 2H), 2.39 – 2.45 (m, 2H), 1.48 – 1.56 (m, 2H), 1.27 – 1.31 (m, 2H), 1.23 (d, J =6.3 Hz, 3H), 0.87 ppm (t, J = 7.3 Hz, 3H).

Supplementary Material - Non-Halogenated
Solvents for P(HB-*co*-HHx) Recovery

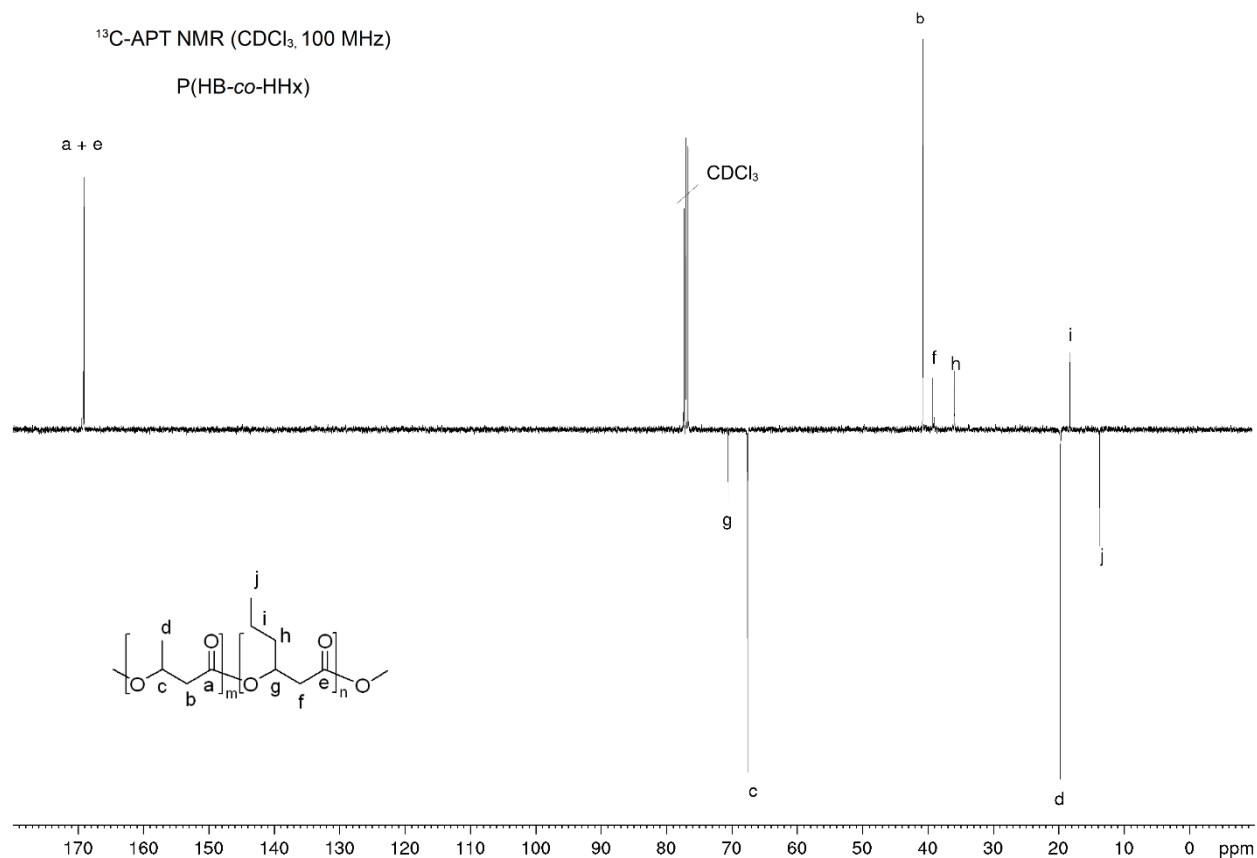


Figure S2 | ¹³C-APT NMR spectrum of P(HB-*co*-HHx) extracted with chloroform at RT for 2 h and precipitated with heptane. ¹³C-APT NMR (CDCl₃, 100 MHz): δ = 169.2 (+), 169.1 (+), 70.5 (-), 67.6 (-), 40.7 (+), 39.2 (+), 36.0 (+), 19.7 (-), 18.3 (+), 13.7 (-) ppm.

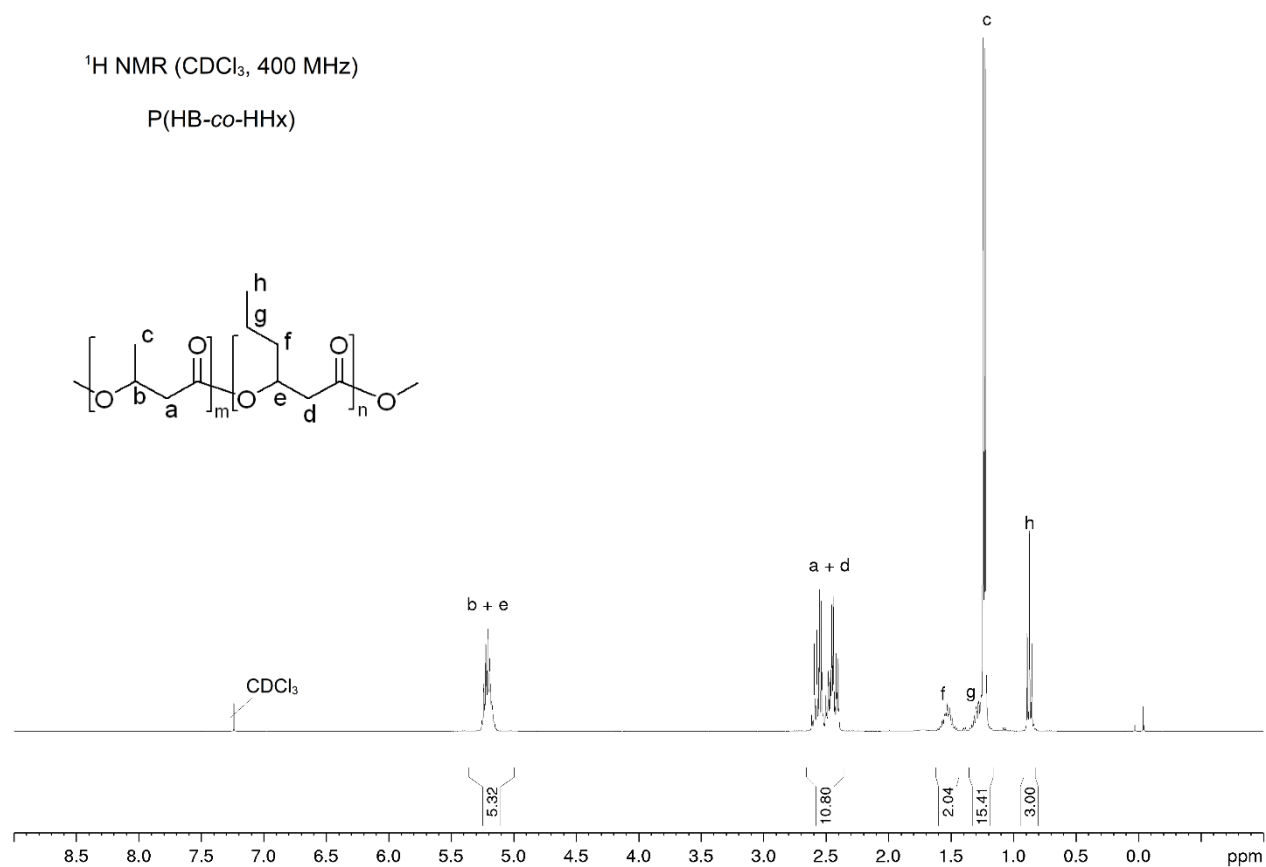


Figure S3 | ^1H NMR spectrum of P(HB-*co*-HHx) extracted with ethyl acetate at RT for 2 h and precipitated with 2-propanol. ^1H NMR (CDCl_3 , 400 MHz): δ = 5.17 – 5.23 (m, 1H), 5.17 – 5.23 (m, 1H), 2.46 – 2.61 (m, 2H), 2.39 – 2.45 (m, 2H), 1.48 – 1.56 (m, 2H), 1.27 – 1.31 (m, 2H), 1.23 (d, J =6.3 Hz, 3H), 0.87 ppm (t, J = 7.3 Hz, 3H).

Supplementary Material - Non-Halogenated
Solvents for P(HB-*co*-HHx) Recovery

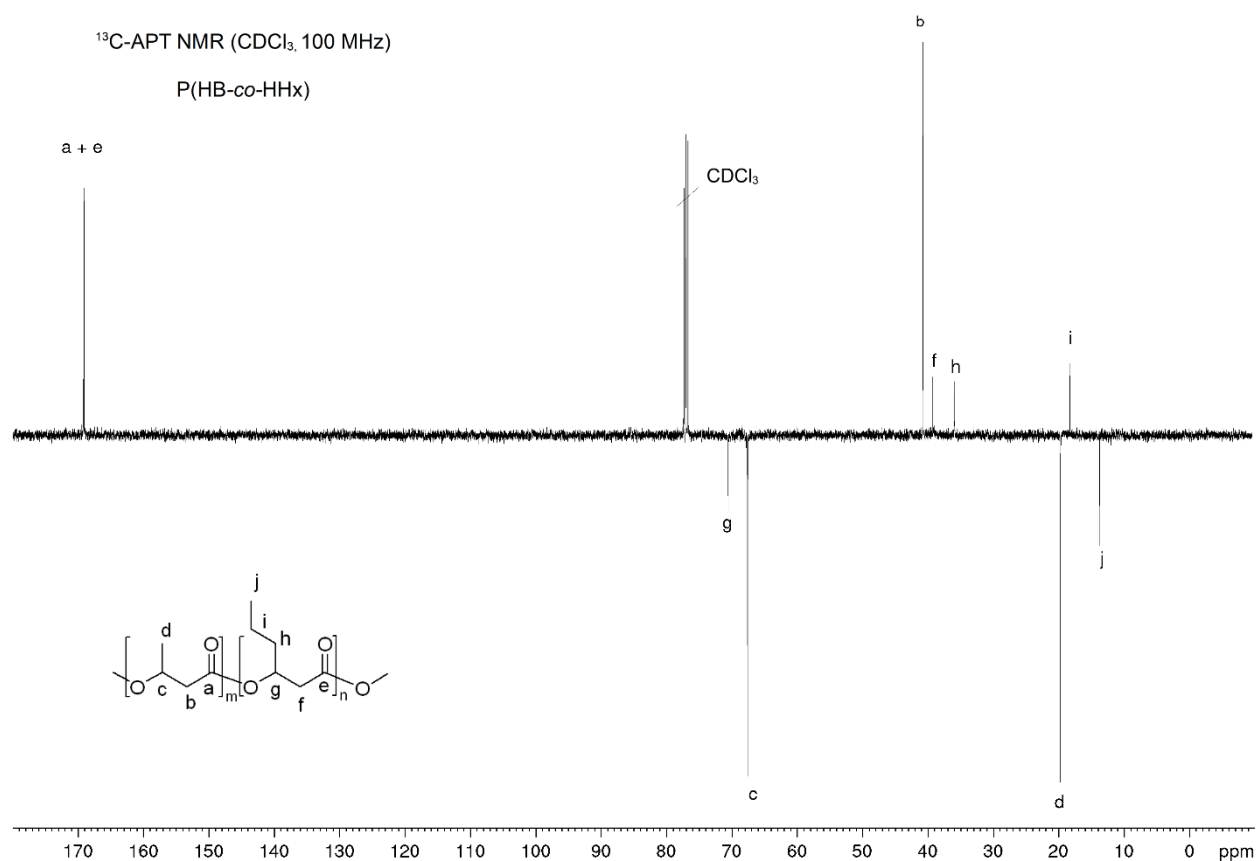


Figure S4 | ¹³C-APT NMR spectrum of P(HB-*co*-HHx) extracted with ethyl acetate at RT for 2 h and precipitated with 2-propanol. ¹³C-APT NMR (CDCl₃, 100 MHz): δ = 169.2 (+), 169.1 (+), 70.5 (-), 67.6 (-), 40.7 (+), 39.2 (+), 36.0 (+), 19.7 (-), 18.3 (+), 13.7 (-) ppm.

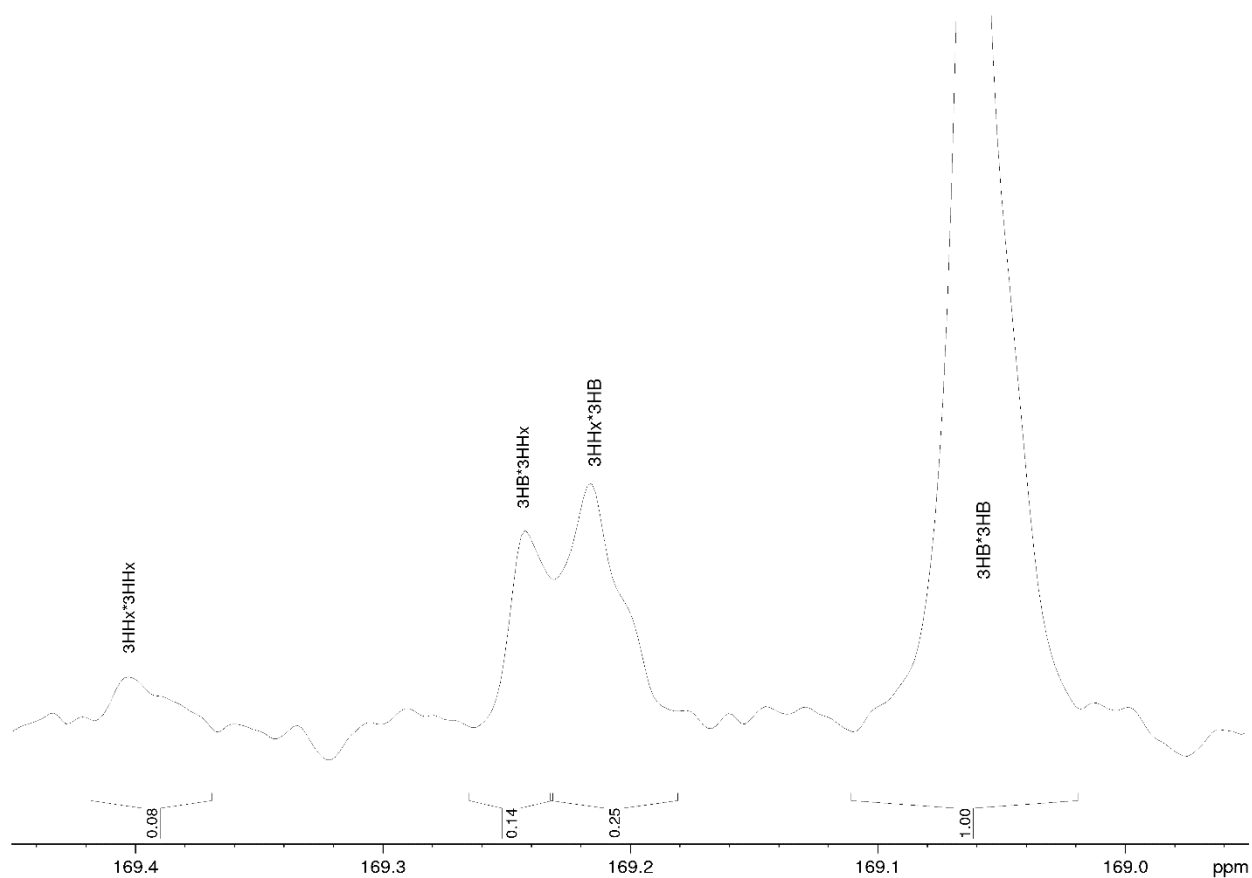


Figure S5 | Zoom of ^{13}C -APT NMR spectrum of P(HB-*co*-HHx) extracted with acetone at RT for 2 h and precipitated with 2-propanol. Peaks were used for calculation of randomness.

**Supplementary Material - Non-Halogenated
Solvents for P(HB-*co*-HHx) Recovery**

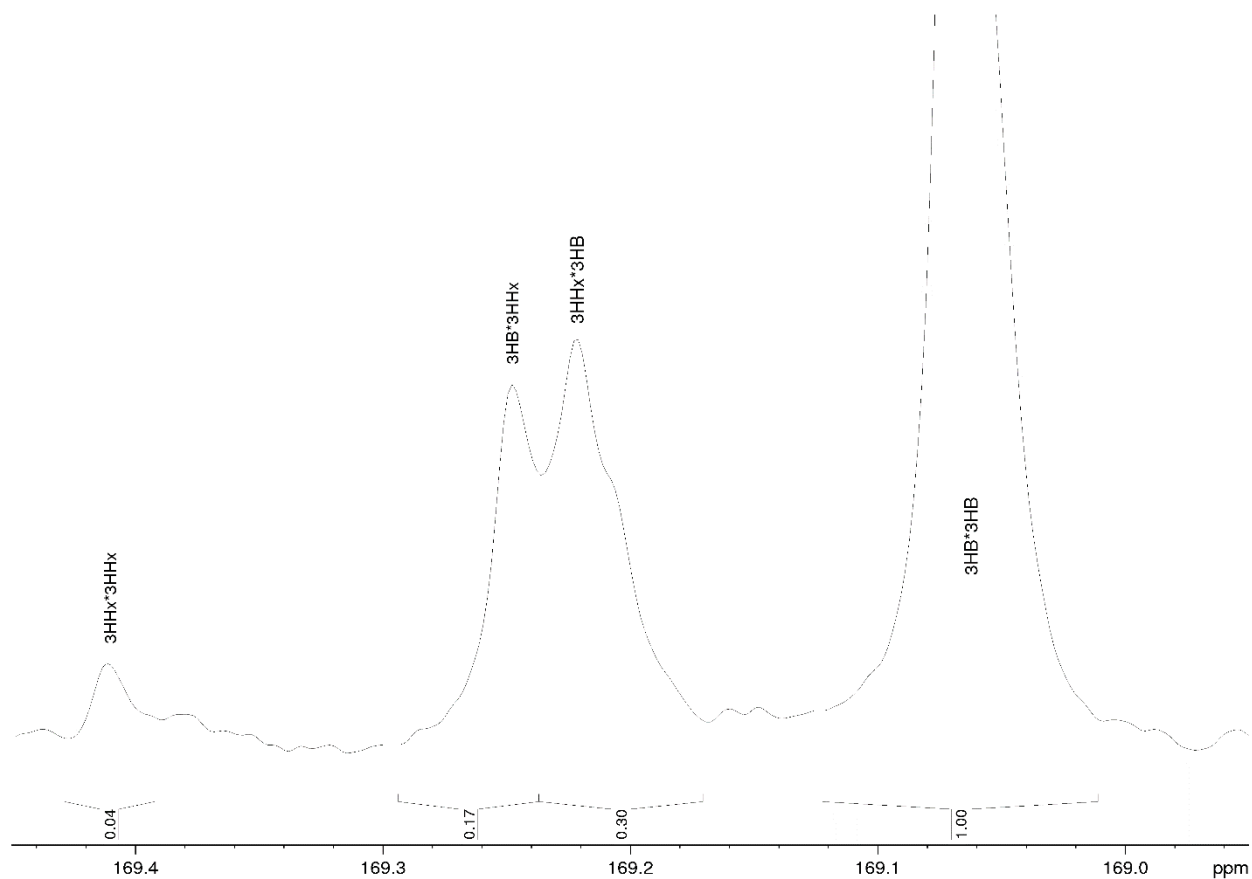


Figure S6 | Zoom of ^{13}C -APT NMR spectrum of P(HB-*co*-HHx) extracted with chloroform at RT for 2 h and precipitated with heptane. Peaks were used for calculation of randomness.

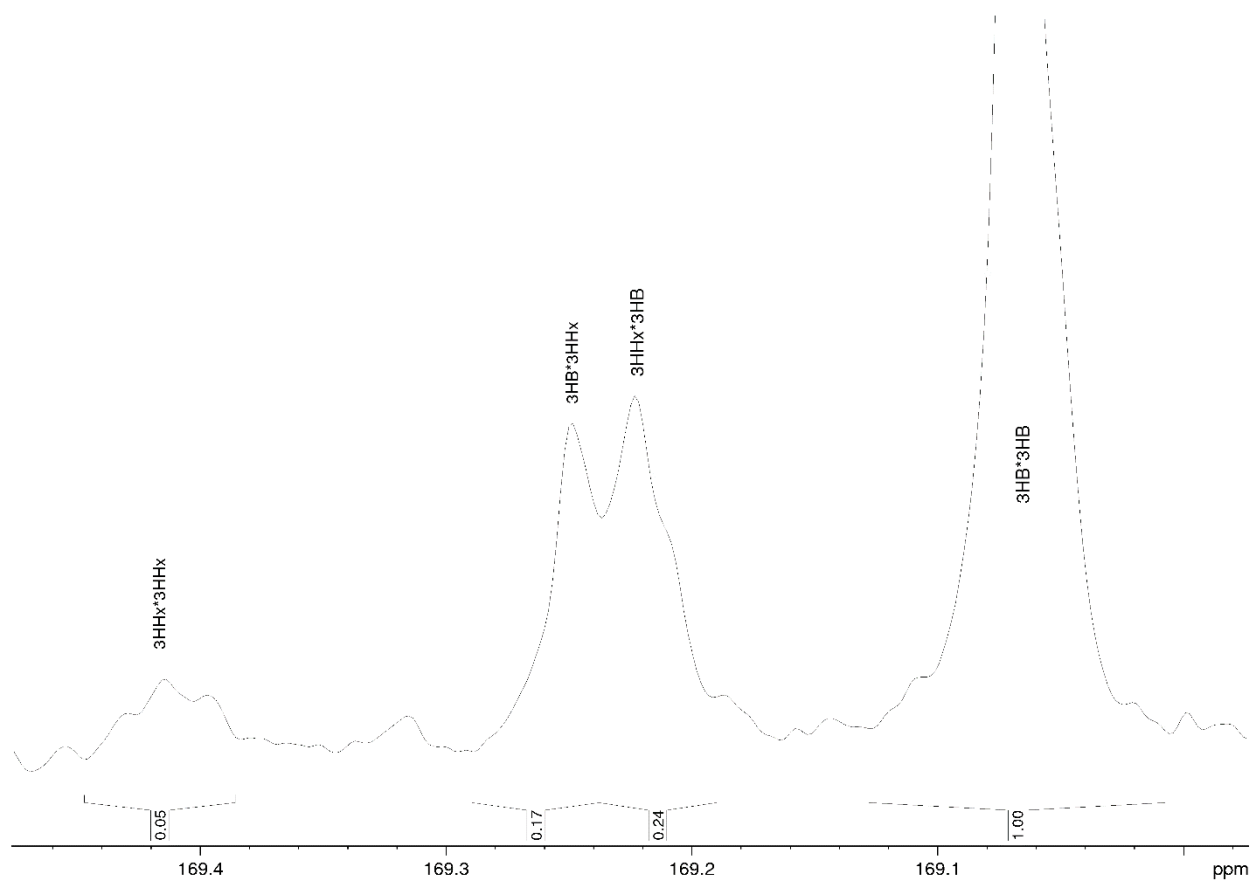


Figure S7 | Zoom of ^{13}C -APT NMR spectrum of P(HB-*co*-HHx) extracted with ethyl acetate at RT for 2 h and precipitated with 2-propanol. Peaks were used for calculation of randomness.