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Supplementary Information

Modulating the thermal properties of poly(hydroxybutyrate) by the
copolymerization of *rac*- β -butyrolactone with lactide

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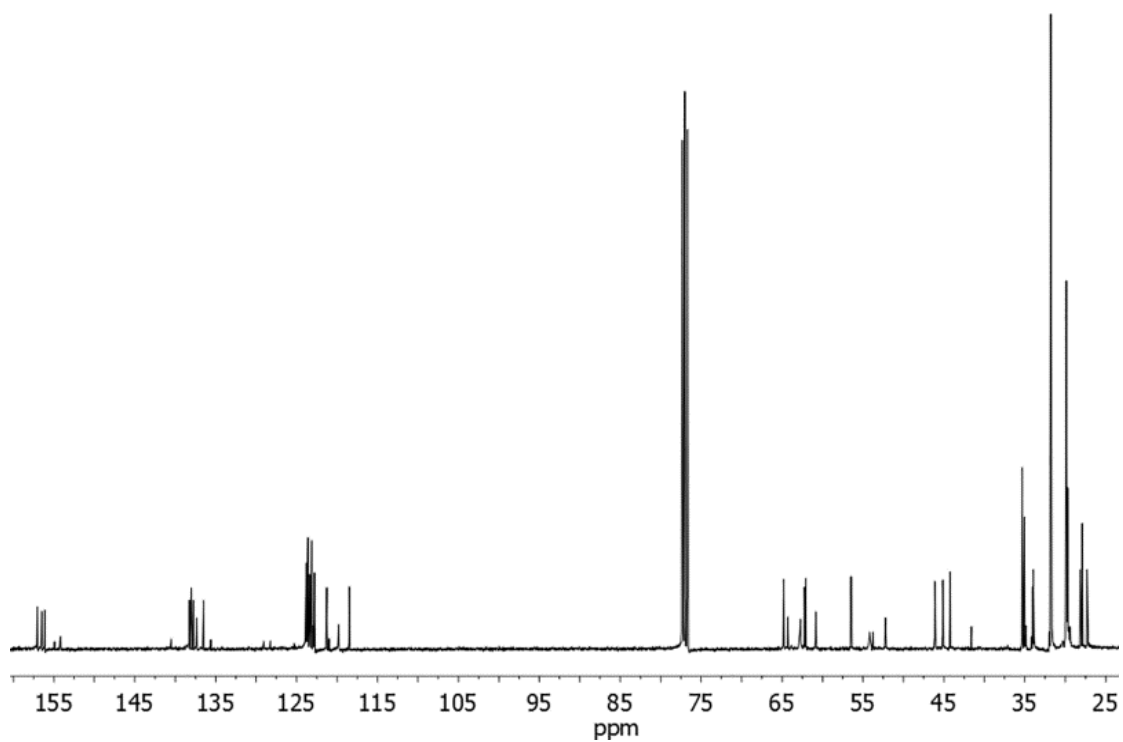


Fig. S1 ^{13}C -NMR spectrum (CDCl_3 , 25°C) of the *salan*-aluminum compound (**2**).

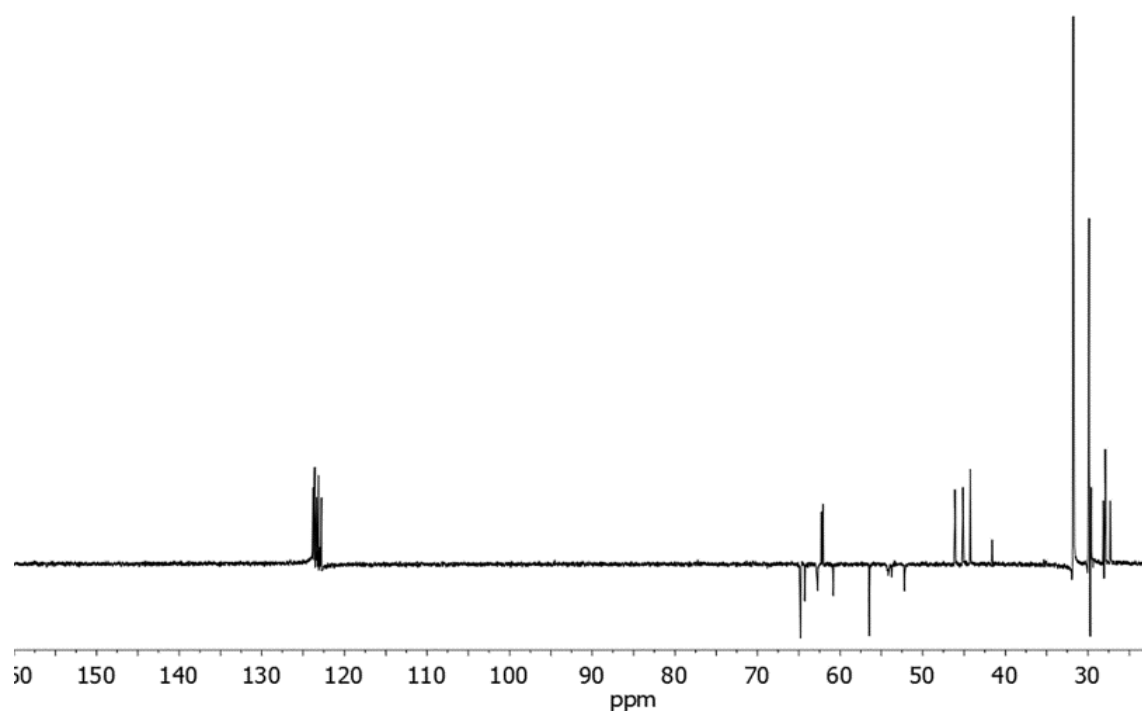


Fig. S2 DEPT135 NMR spectrum (CDCl₃, 25°C) of the *salan*-aluminum compound (2).

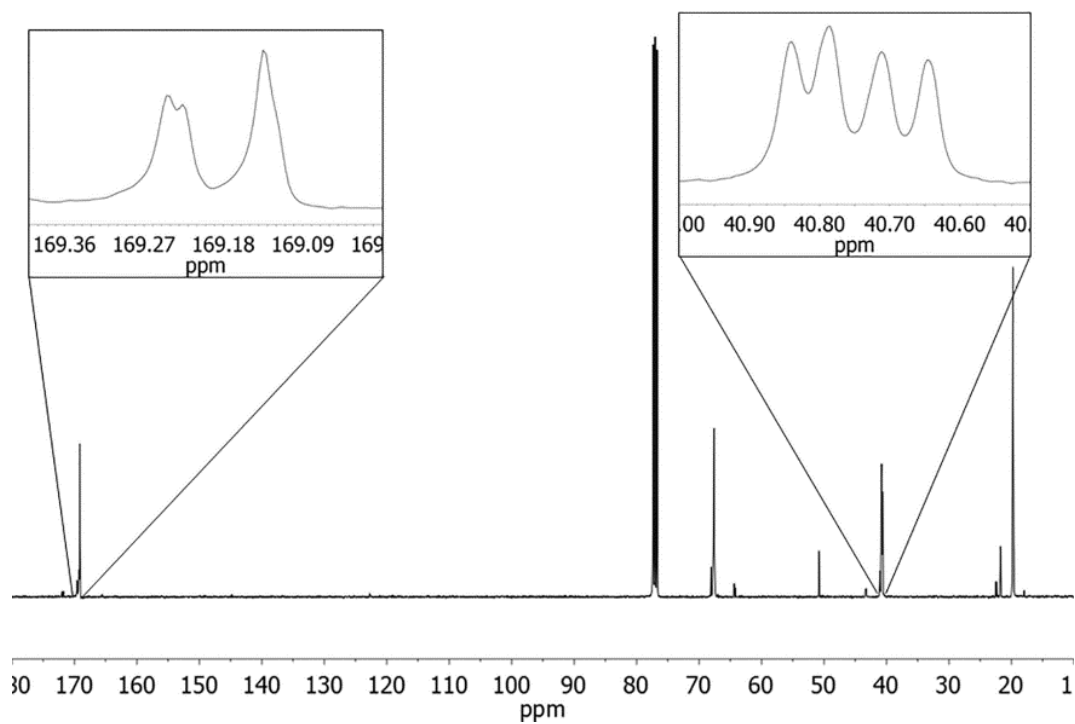


Fig. S3. ^{13}C -NMR spectrum (CDCl_3 ; 25°C) of poly(3-hydroxybutyrate) prepared in the presence of *salan*-aluminum compound (**2**).

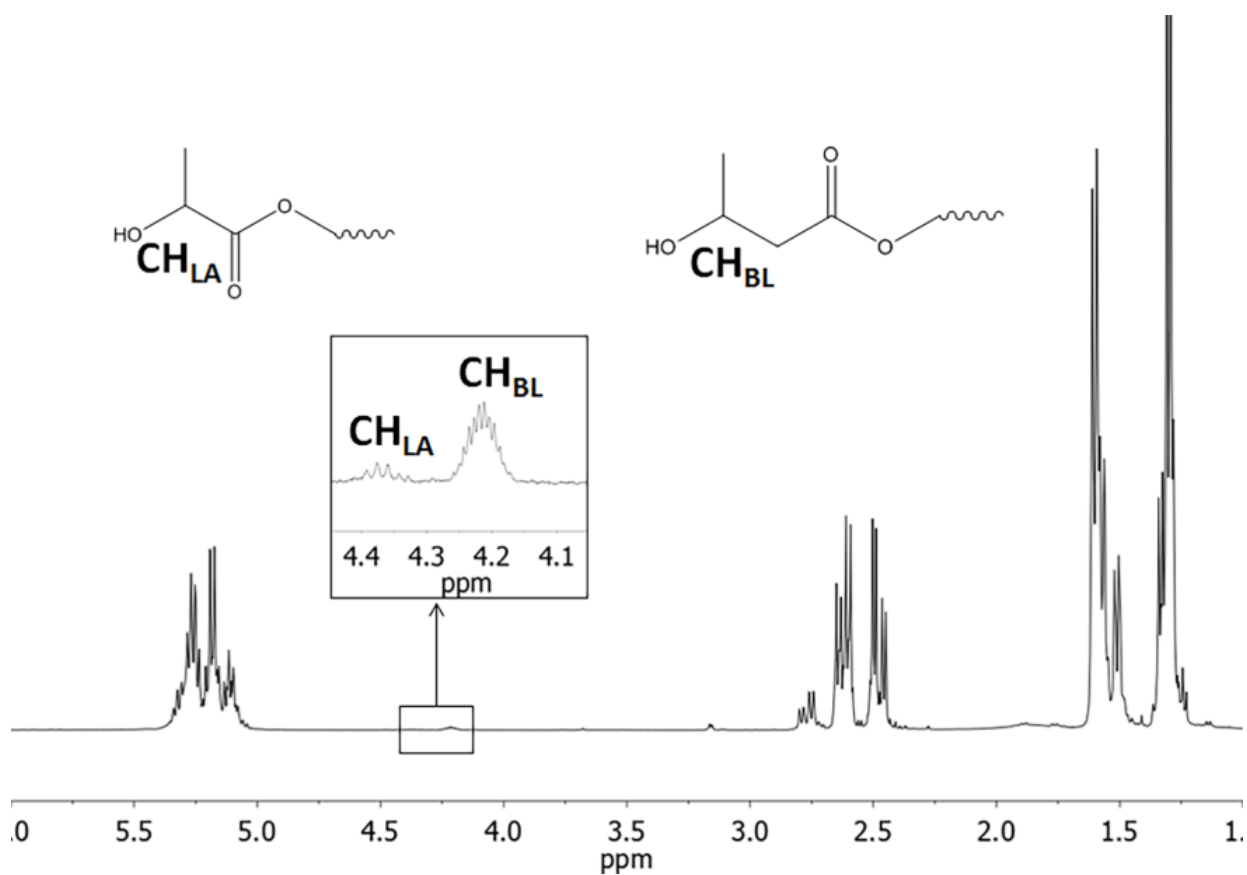


Fig. S4 $^1\text{H-NMR}$ spectrum (CDCl_3 ; 25°C) of poly(3-hydroxybutyrate)-co-poly(lactide) sample (entry 13, Table 1).

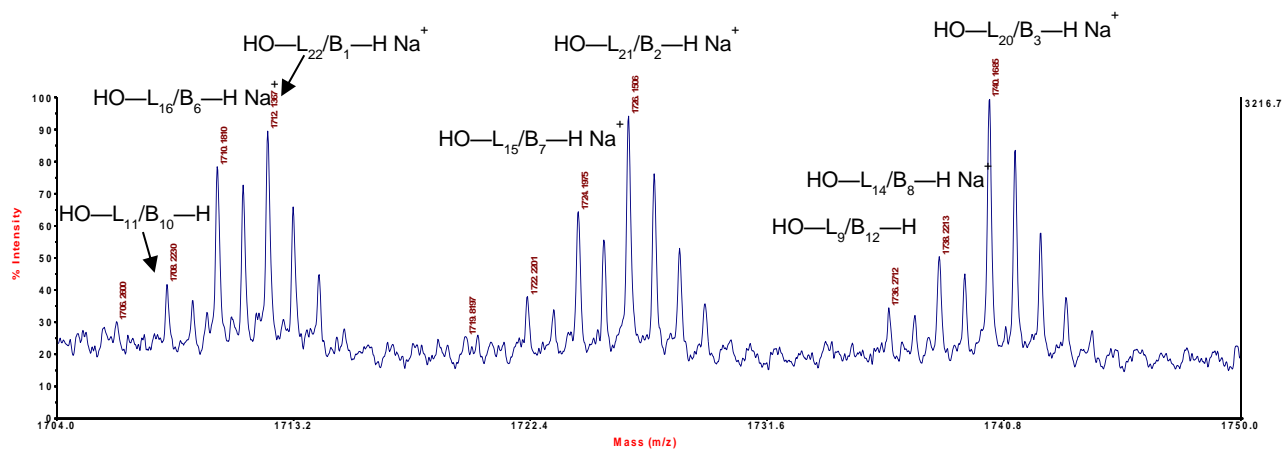


Fig. S5c Enlargement of figure S5a. MALDI mass spectrum in reflection mode of poly(3-hydroxybutyrate)-co-poly(lactide) sample (entry 12, Table 1). L = lactyl unit; B = butyrate unit.