Supplementary Information

High molar mass cyclic poly(L-lactide)s by means of neat tin (II) 2-ethylhexanoate

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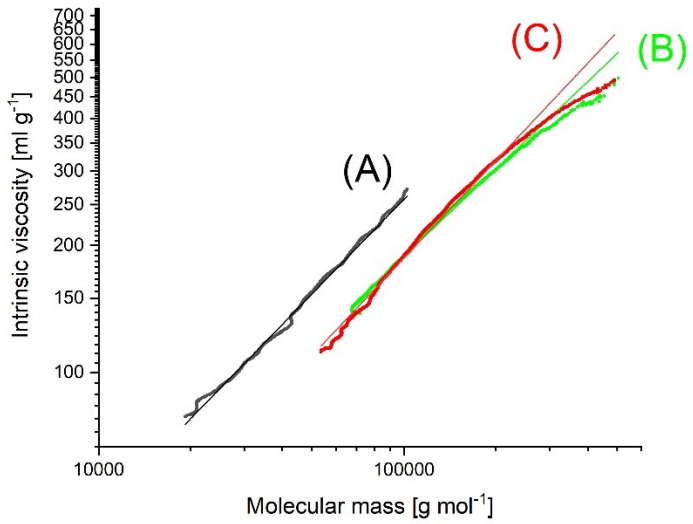

Figure S 1 MHS measurements of (A) Purapol L105, (B) polylactide prepared at 160°C/1h with Lac/Cat = 1000/1 (No. 6A, Table 2), (C) Lac/Cat = 4000/1 (No. 8, Table 2)

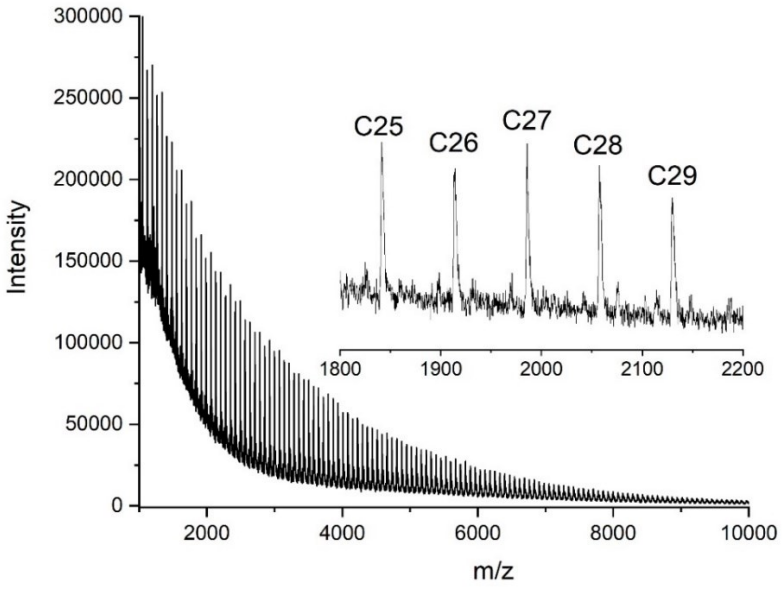

Figure S2A MALDI-TOF mass spectrum of the polylactide prepared at 120C/4h with Lac/Cat = 1 000/1 (No. 7, Table 3)

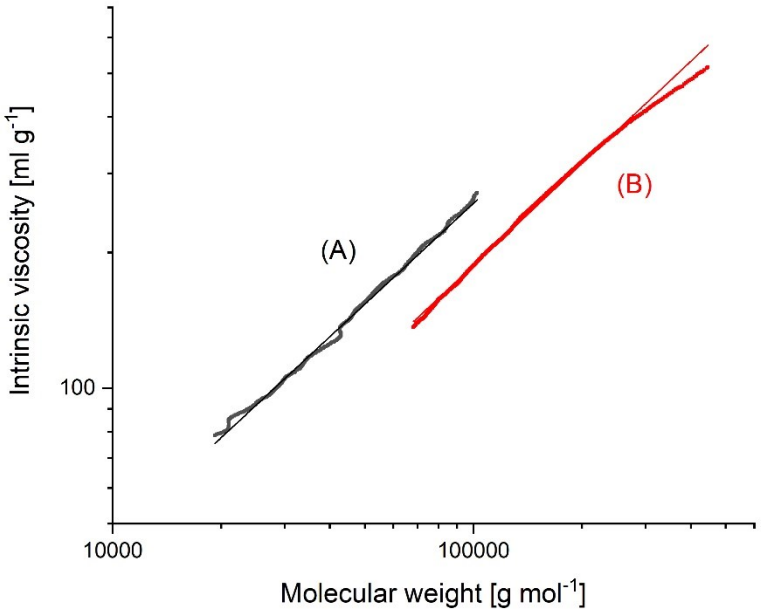

Figure S2B MHS measurement of (A) Purapol L105, (B) polylactide prepared at 120°C/4h with Lac/Cat = 1 000/1) (No. 7, Table 3)

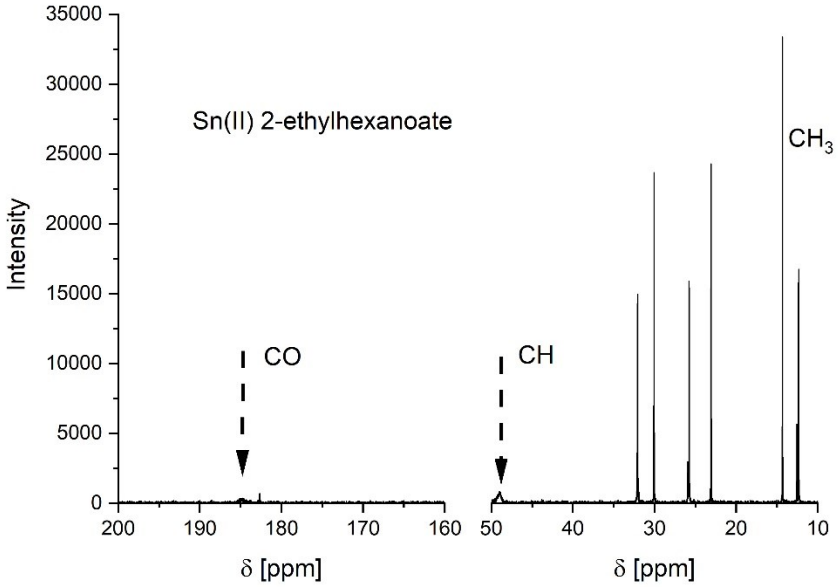

Figure S3 150 MHz ^{13}C NMR spectrum of $SnOct_2$

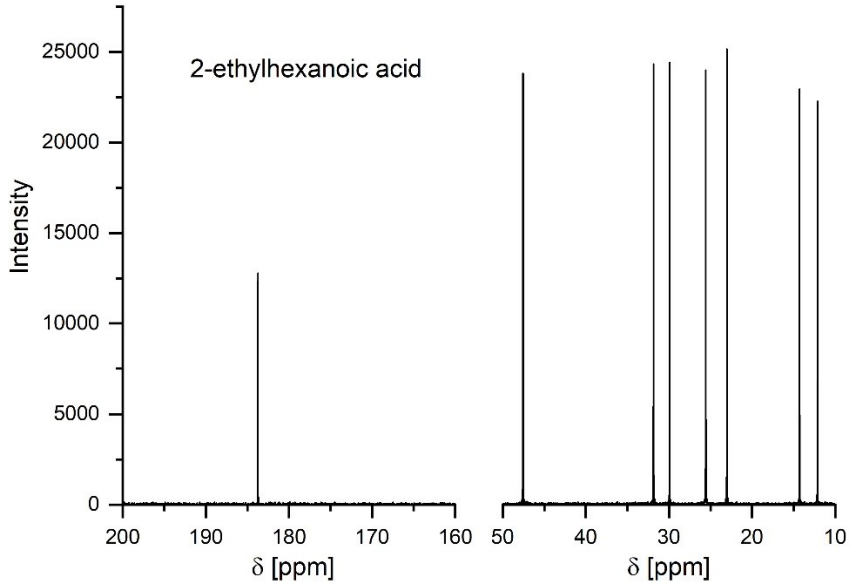

Figure S4 150 MHz ^{13}C NMR spectrum of 2-ethylhexanoic acid

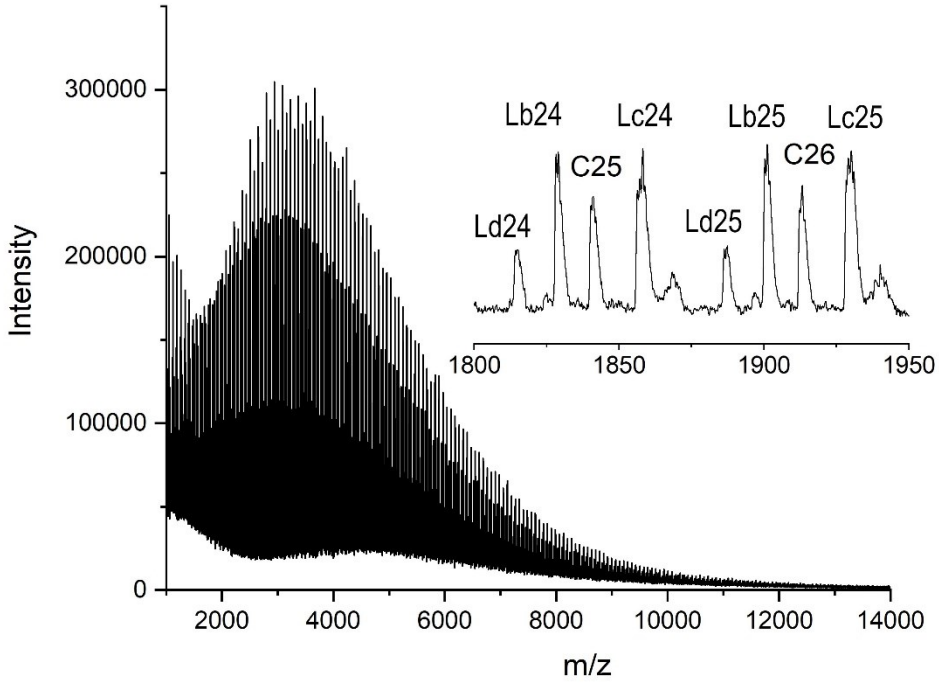

Figure S5 MALDI TOF mass spectrum of Ac-PLA-Et (Lc, Scheme 5) after 0.5h at 180°C.

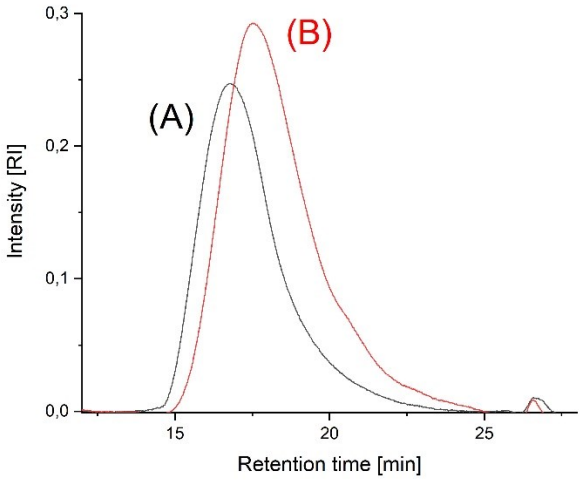

Figure S6 SEC curves of polylactides prepared at 160°C: (A) Lac/Cat = 1000/1, 1h (No. 6A, Table 2), (B) Lac/Cat = 1000/1, 8h (No. 6B, Table 2)

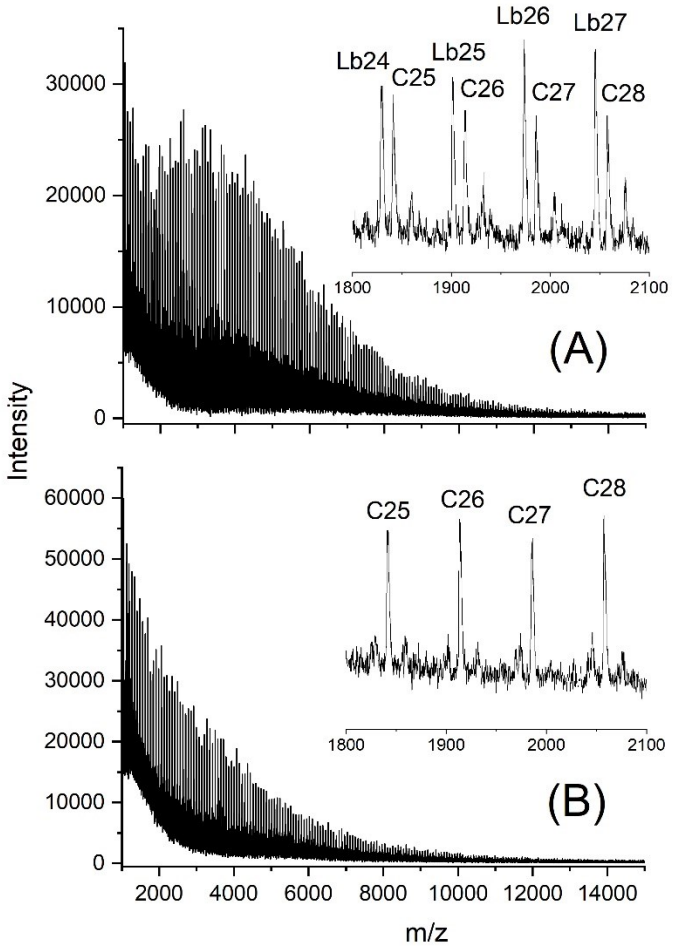

Figure S7 MALDI TOF mass spectra of polylactides prepared with $SnAc_2$ at 160°C (A) Lac/Cat = 100/1 (No. 3, Table 5), (B) Lac/Cat = 400/1 (No. 5, Table 5)

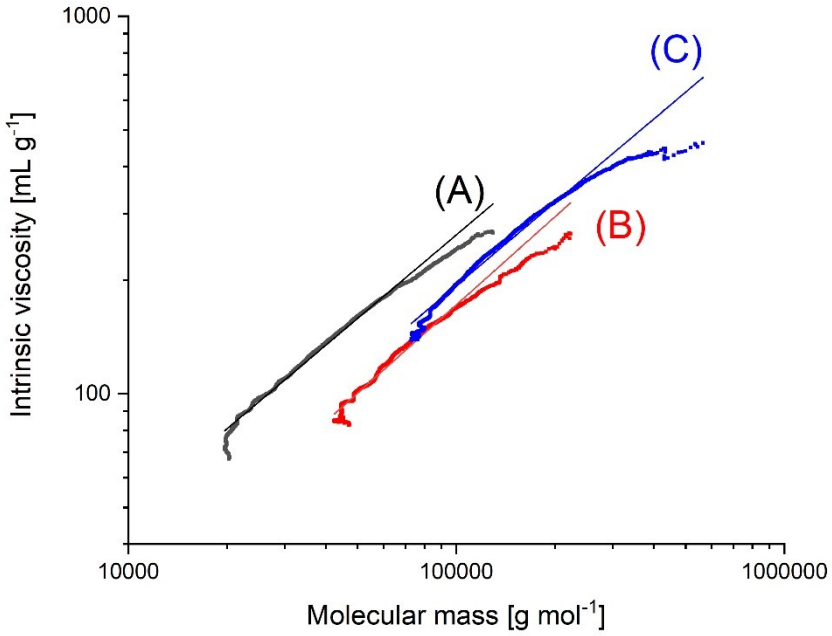

Figure S8 MHS measurements of (A) Purapol L105, polylactide prepared with $SnAc_2$ at 160°C (B) Lac/Cat = 200/1 (No.4, Table 5) and (C) Lac/Cat = 1 000/1 (No.7 , Table 5),

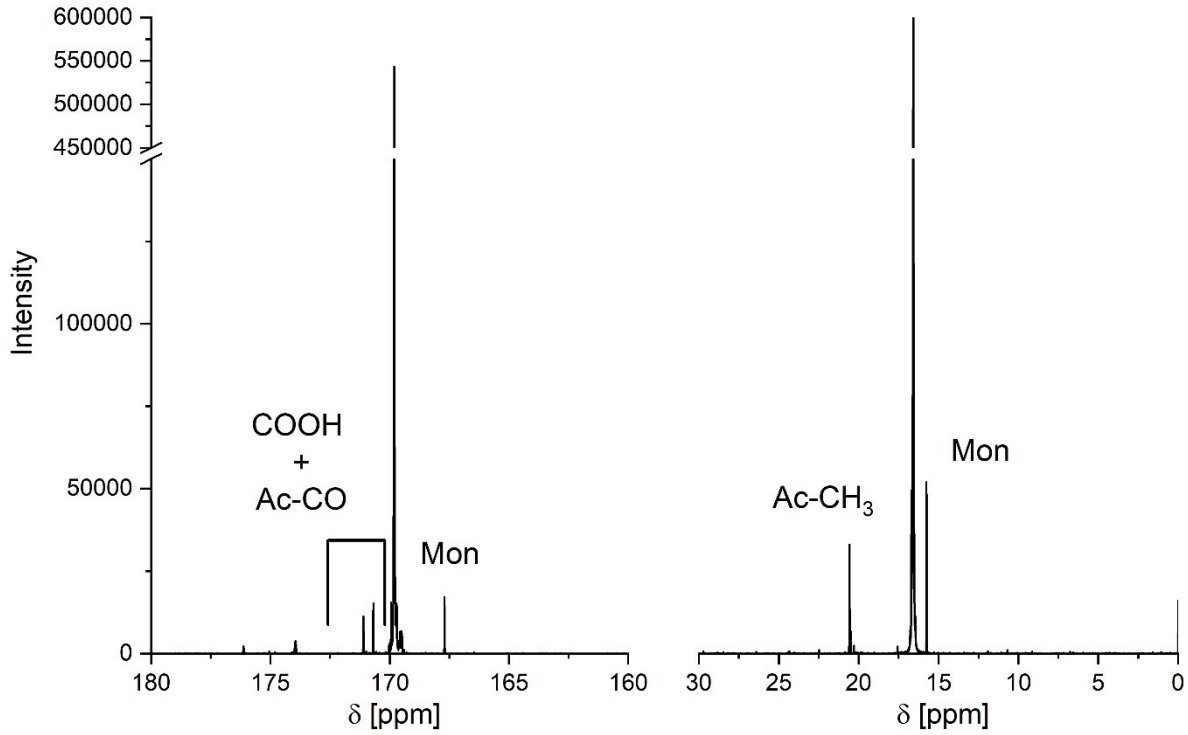

Figure S9 150 MHz ^{13}C NMR spectrum of polylactide polymerized with tin(II)acetate in bulk at 160°C (25/1, No. 1, Table 5).