

Electronic Supporting Information

For

Synthesis and structural characterization of well-defined lithium aluminium alkoxide complexes supported by NON-type diamido ether tridentate ligands and their use for the controlled ROP of lactide

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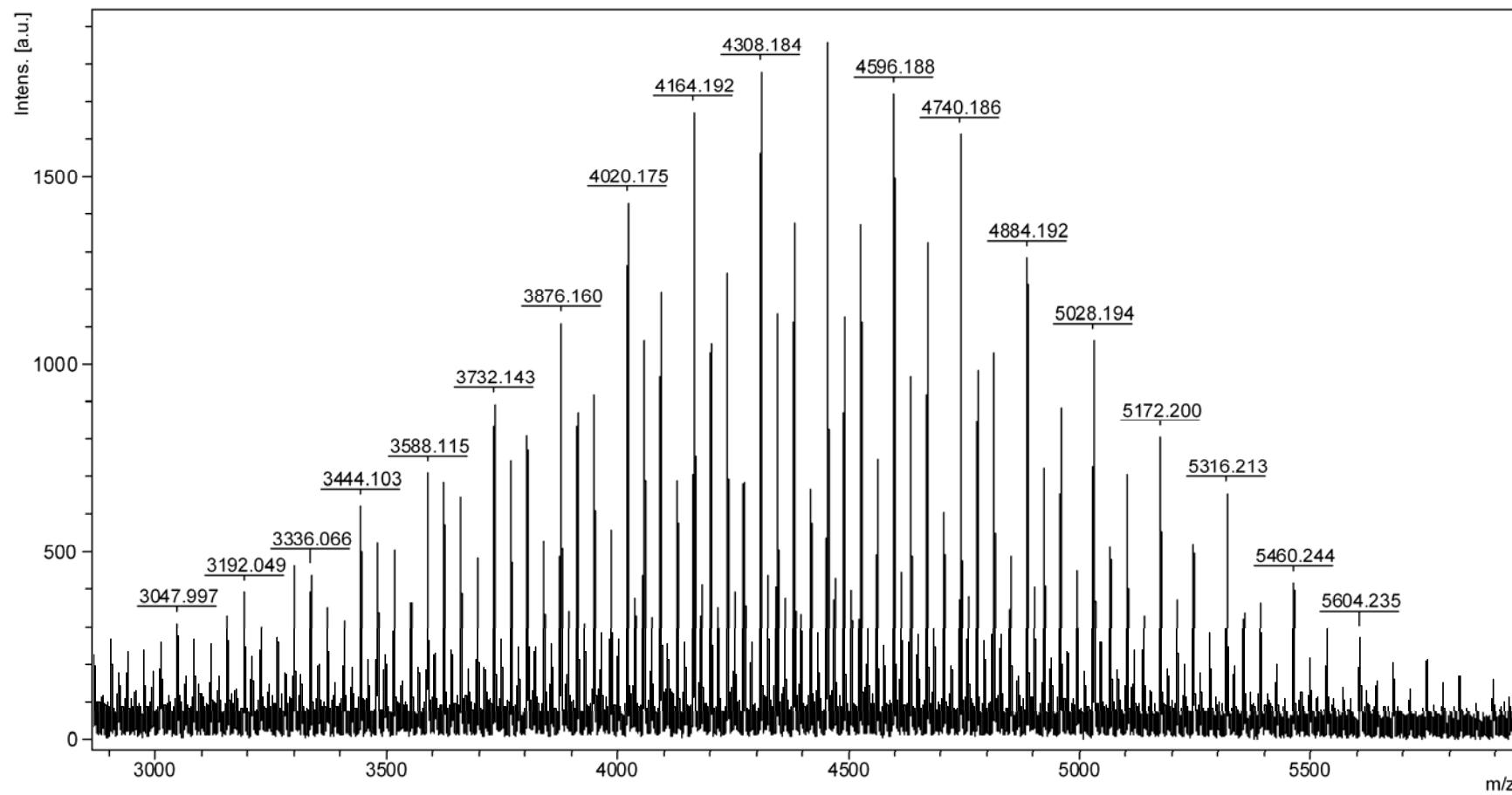


Figure S1. MALDI-TOF mass spectrum of the PLA obtained after ROP of *rac*-LA for 8h (CH_2Cl_2 , RT)

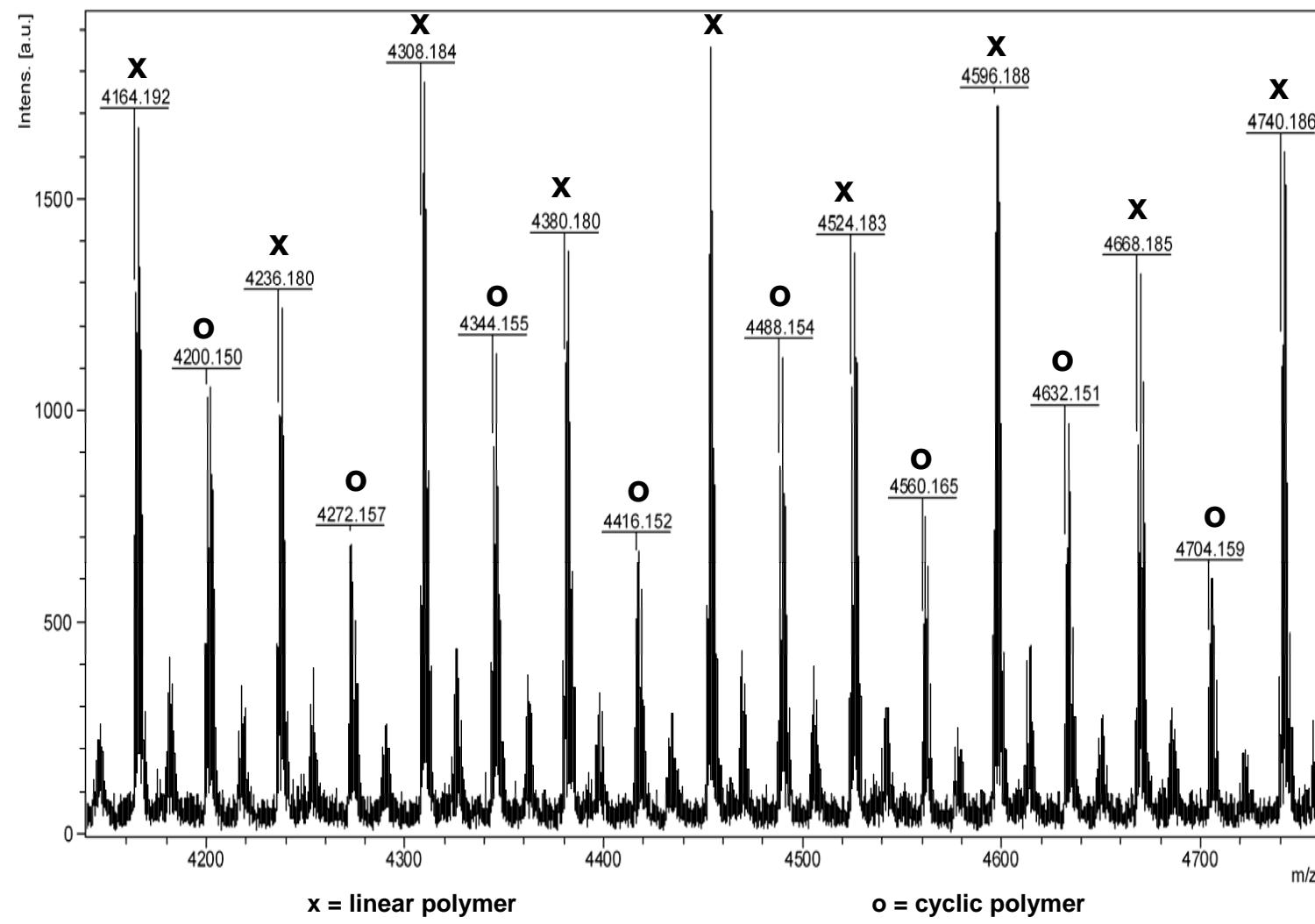


Figure S2. Blow-up of Figure S1

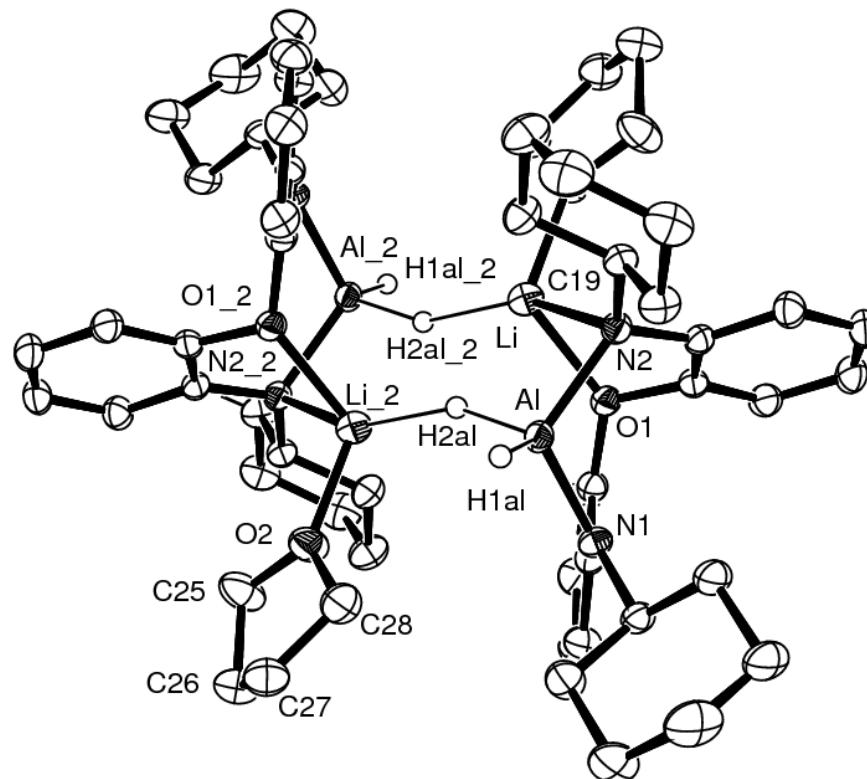


Figure S3. Molecular structure (ORTEP drawing) of the Al complex **2b**

Table S1: Summary of crystallographic data for compound **2b**

Compound	2b(CH₂Cl₂)
Formula	C ₂₉ H ₄₂ AlCl ₂ LiN ₂ O ₂
Formula weight	555.47
Crystal system	triclinic
Space group	P-1
a (Å)	9.462(1)
b (Å)	12.194(1)
c (Å)	14.042(1)
α (°)	107.895(1)
β (°)	106.337(1)
γ (°)	91.031(1)
V (Å ³)	1469.82(6)
Z	2
Density (g.cm ⁻³)	1.255
μ (Mo Kα) (mm ⁻¹)	0.279
F(000)	592
Crystal Size [mm]	0.10×0.10×0.10
Data collection	
Temperature (K)	173(2)
Radiation (Å)	MoKα - 0.71073
Theta min - max	1.60 - 30.02
Dataset [h, k, l]	-12/13, -17/17, -19/18
Tot., Uniq. Data, R(int)	19301, 8573, 0.0599
Observed data (I>2σ(I))	6143
Refinement	
Nreflections, Nparameters	8573, 342
R2(all), R1(I>2σ(I)), wR2(all), wR1(I>2σ(I)), Goof	0.0833, 0.0538, 0.1600, 0.1372, 0.980
Max. and Av. Shift/Error	0.000, 0.000
Min, Max. Resd Dens. (e.Å ⁻³)	-0.686, 0.593