Supporting Information

Poly(2-oxazoline)s with Pendant Cubane Groups

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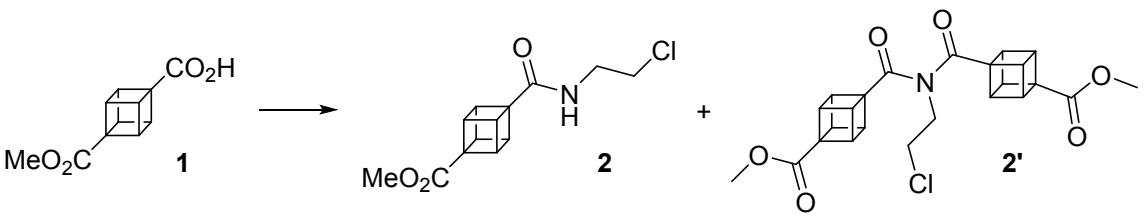

Scheme S1 Synthesis of compound **2** including the formation of the side-product **2'**.

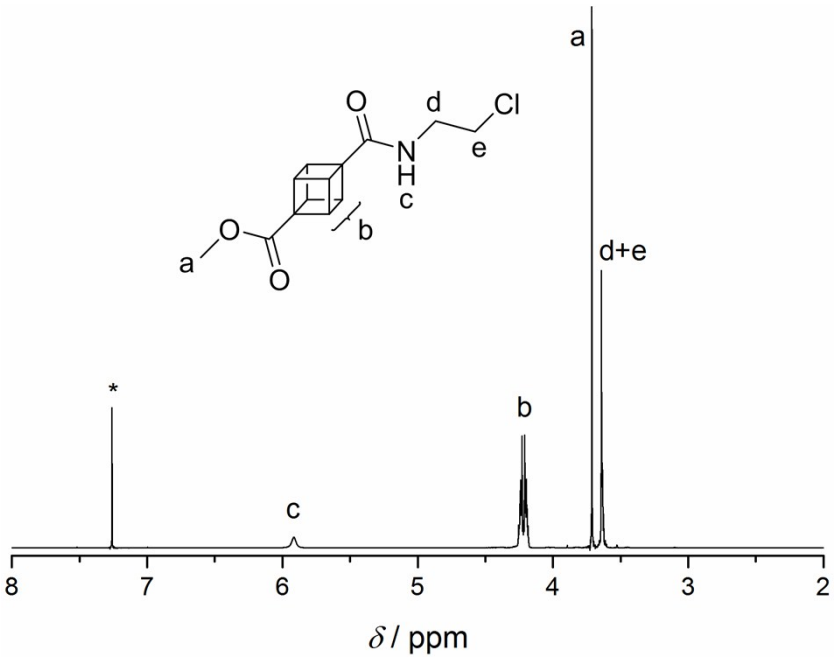

Figure S1 ^{1}H NMR spectrum of methyl 4-((2-chloroethyl)carbamoyl)cubane-1-carboxylate (**2**) in $CDCl_3$.
* = $CHCl_3$

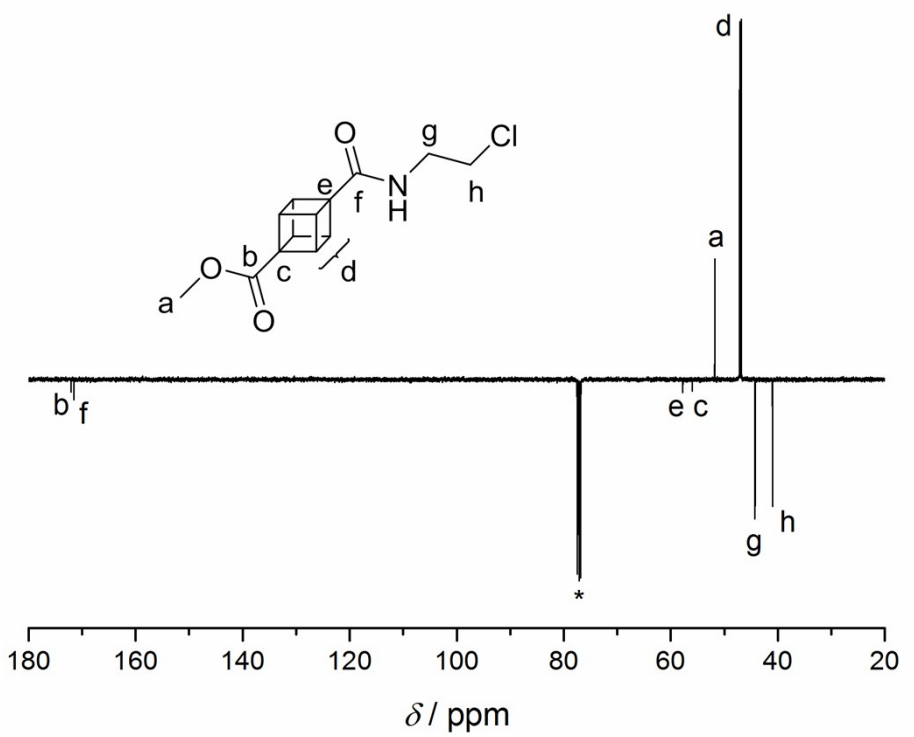

Figure S2 ^{13}C NMR APT spectrum of methyl 4-((2-chloroethyl)carbamoyl)cubane-1-carboxylate (**2**) in $CDCl_3$. * = $CHCl_3$

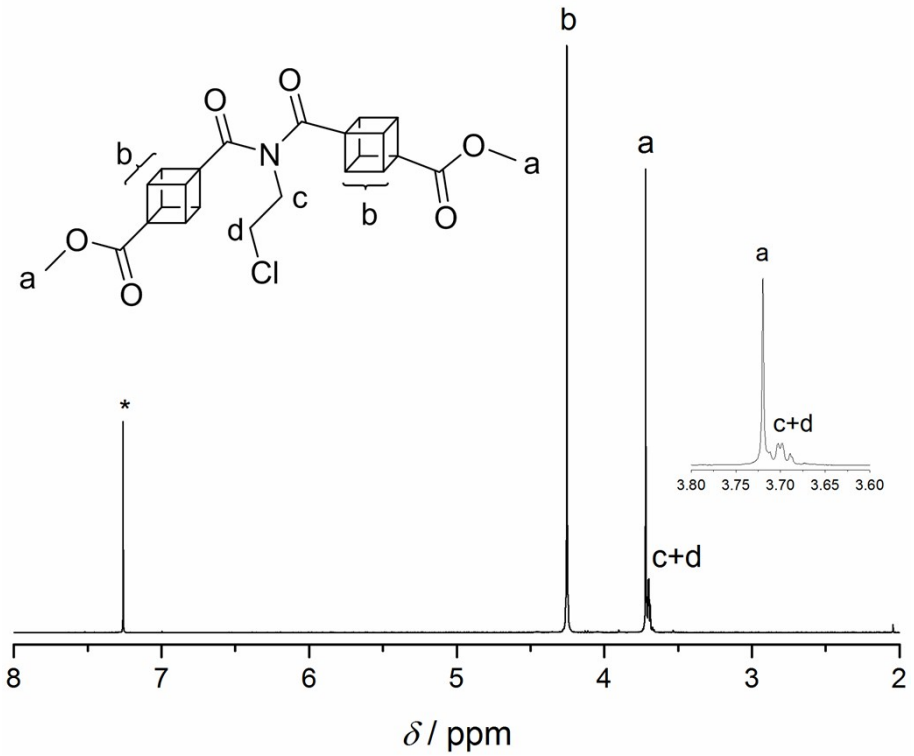

Figure S3 ^{1}H NMR spectrum of **2'** in $CDCl_3$. * = $CHCl_3$

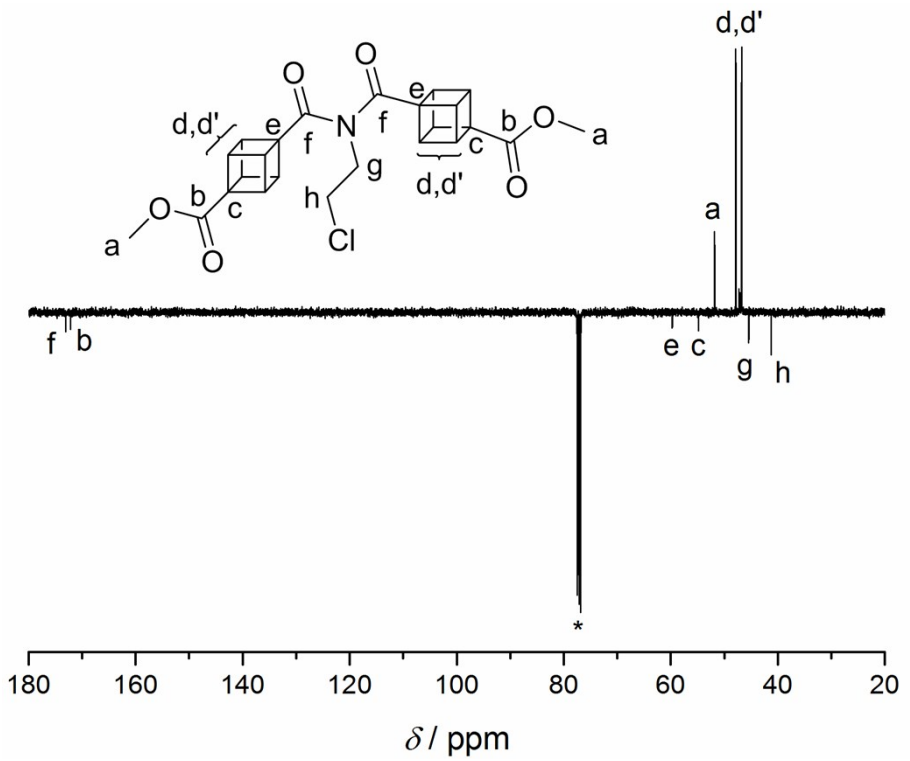

Figure S4 ^{13}C NMR APT spectrum of **2'** in $CDCl_3$. * = $CHCl_3$

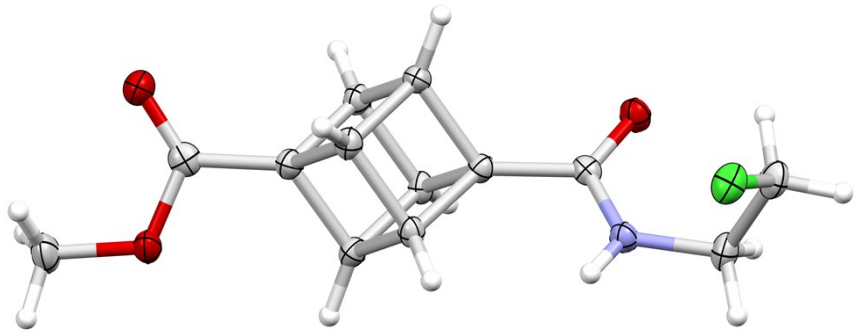

Figure S5 Asymmetric unit of the crystal structure of methyl 4-((2-chloroethyl)carbamoyl)cubane-1-carboxylate (**2**) showing thermal displacement ellipsoids at the 50% probability level.

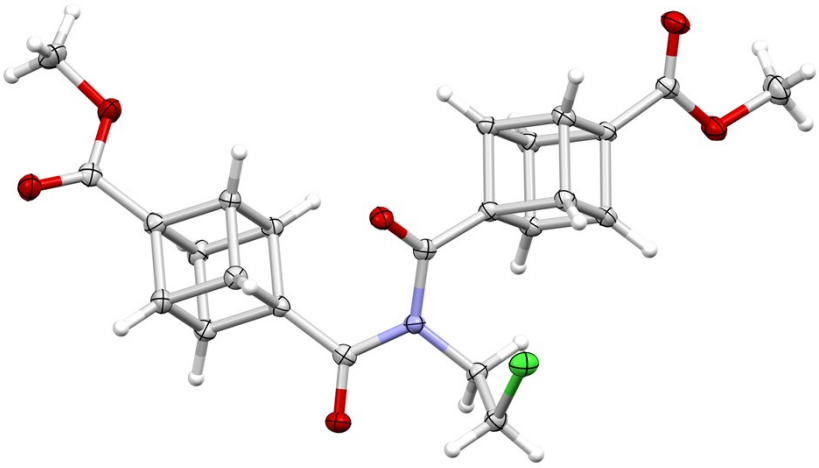

Figure S6 Asymmetric unit of the crystal structure of **2'** showing thermal displacement ellipsoids at the 50% probability level.

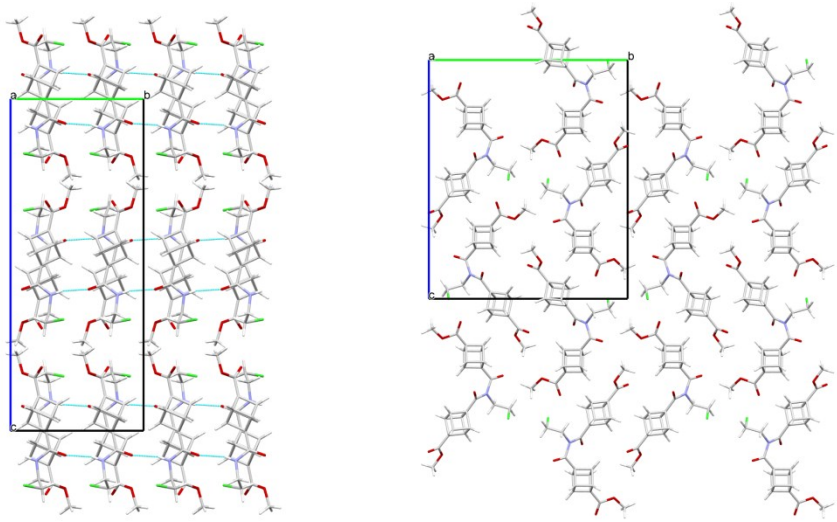

Figure S7 Packing diagram of methyl 4-((2-chloroethyl)carbamoyl)cubane-1-carboxylate (**2**) (left) and **2'** (right).

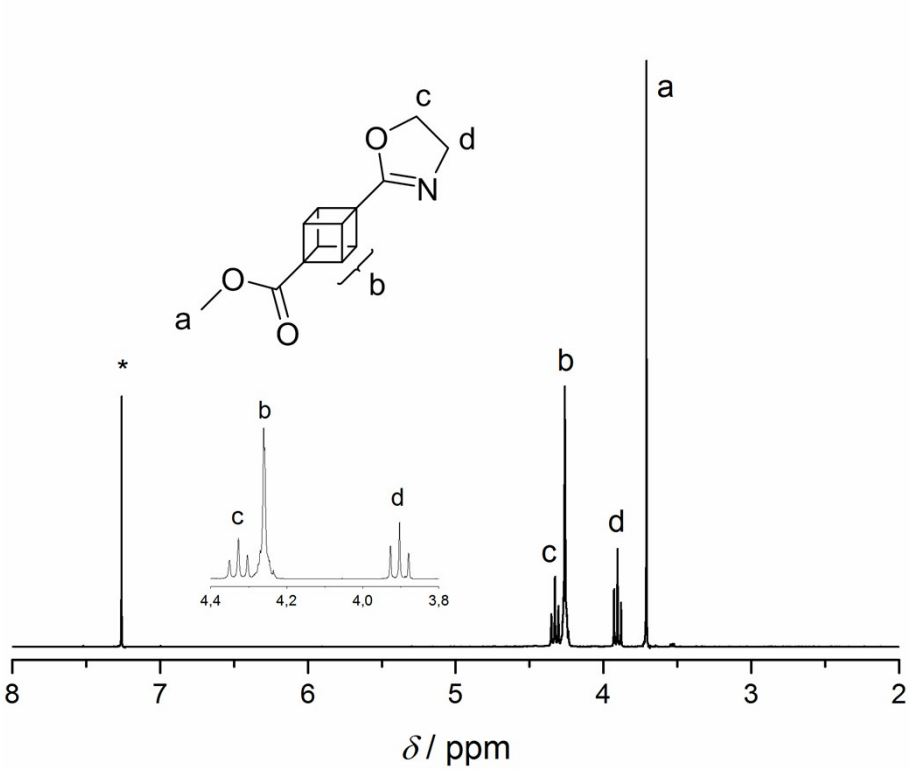

Figure S8 ^{1}H NMR spectrum of **CubOx** in $CDCl_3$. * = $CHCl_3$.

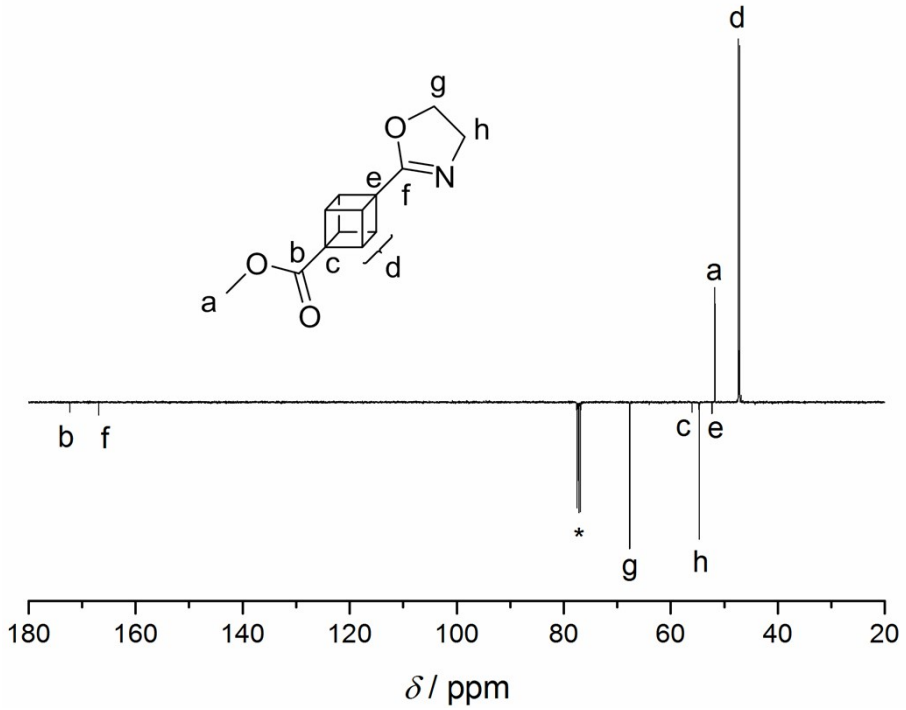

Figure S9 ^{13}C NMR APT spectrum of **CubOx** in $CDCl_3$. * = $CHCl_3$

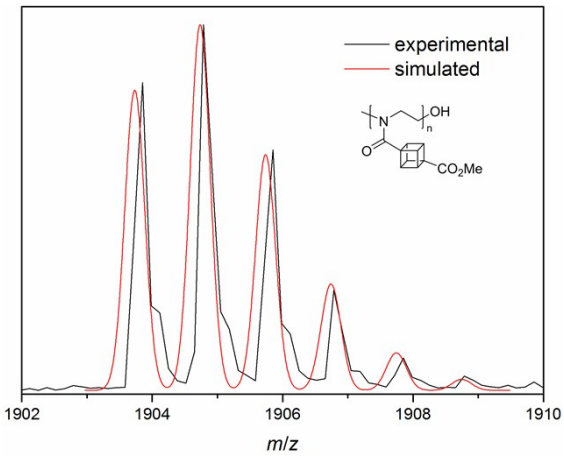

Figure S10 Overlay of the measured (see Figure 2) and simulated isotopic pattern of the peak according to the above structure with n = 8 ($[M+Na]^+$)

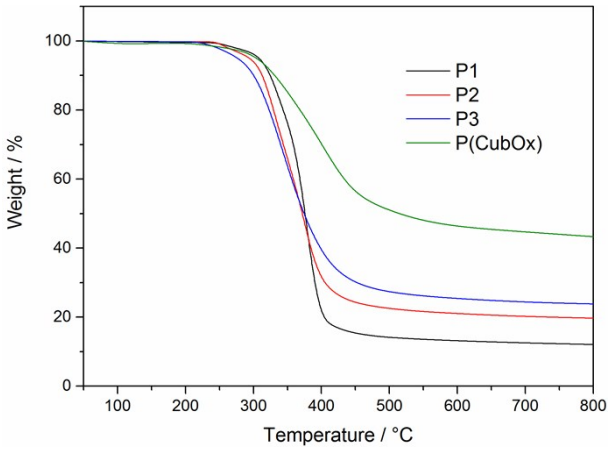

Figure S11 TGA thermograms of P(CubOx) and the copolymers P1, P2 and P3.

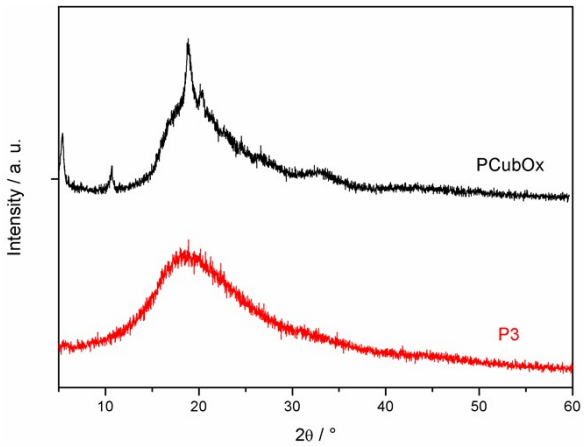

Figure S12 XRD data of PCubOx and the copolymer P3.