

Supporting Information

Coupling reactions of functionalized Zintl ions $[E_9Cd(C_6H_5)]^{3-}$ ($E = Sn, Pb$) with tributyltinhydride: Synthesis and isolation of $\{Sn_9CdSn[(CH_2)_3CH_3]_3\}^{3-}$

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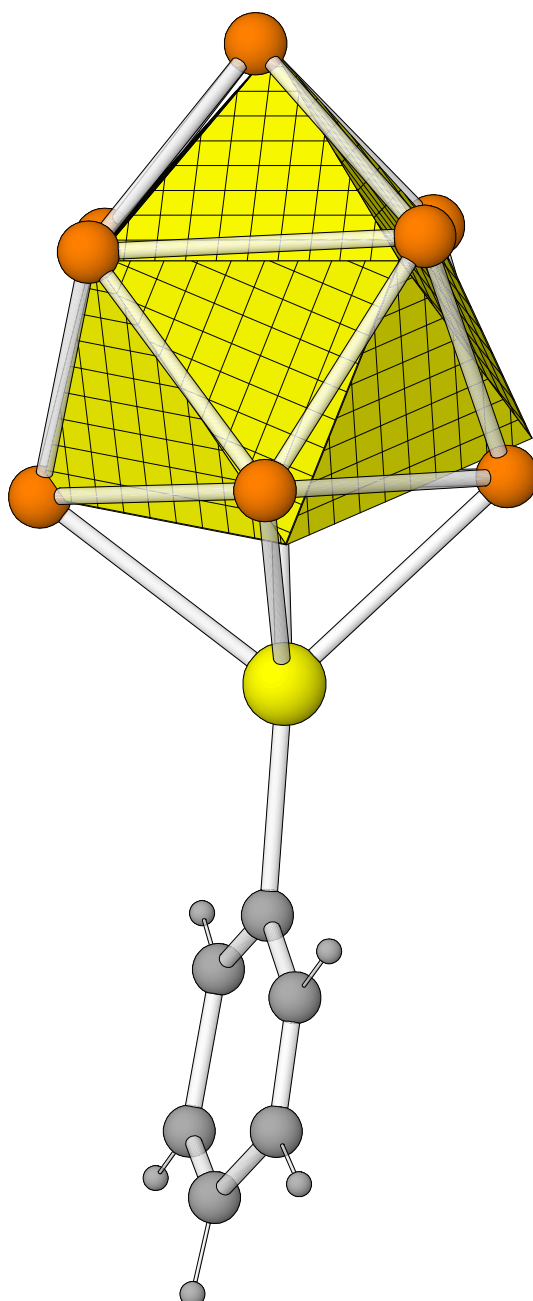


Figure S1. Representation of the $[Sn_9Cd(C_6H_5)]^{3-}$ anion highlighting the disorder existing in the crystal lattice. Cluster **1** co-crystallized with $[Sn_9]^{3-}$ (yellow polyhedron) in $[K(2,2,2\text{-crypt})]_3[1]_{0.8}[Sn_9]_{0.2}\cdot en$.

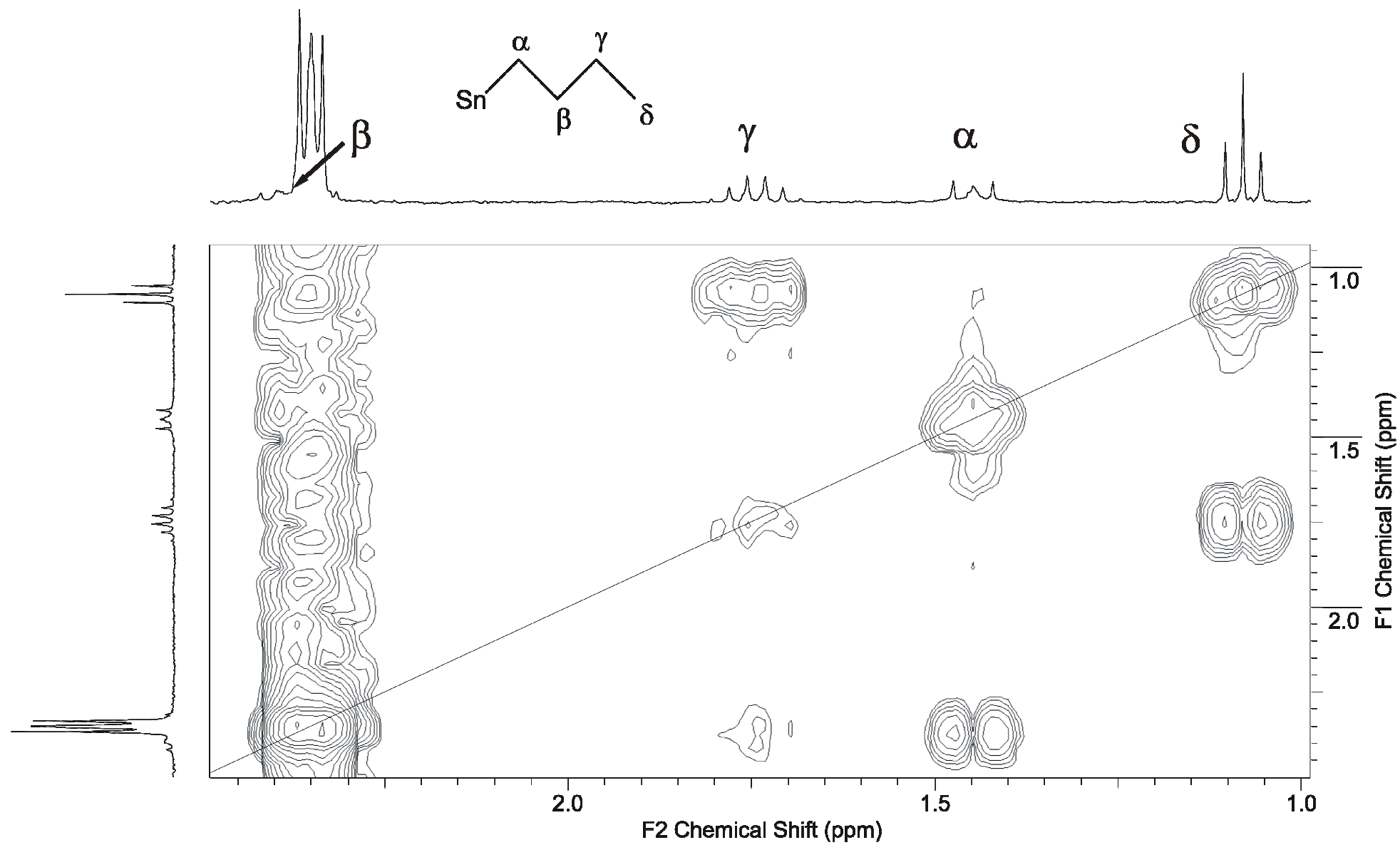


Figure S2. 2D-COSY ^1H NMR spectrum of a crystalline sample of **3** dissolved in d_5 -pyridine. Data were recorded at 298 K at 300.17 MHz.