ELECTRONIC SUPPLEMENTARY INFORMATION

Combining Oximes with Azides to Create a Novel 1-D [$NaCo^{III}_2$] System: Synthesis, Structure and Solid-State NMR

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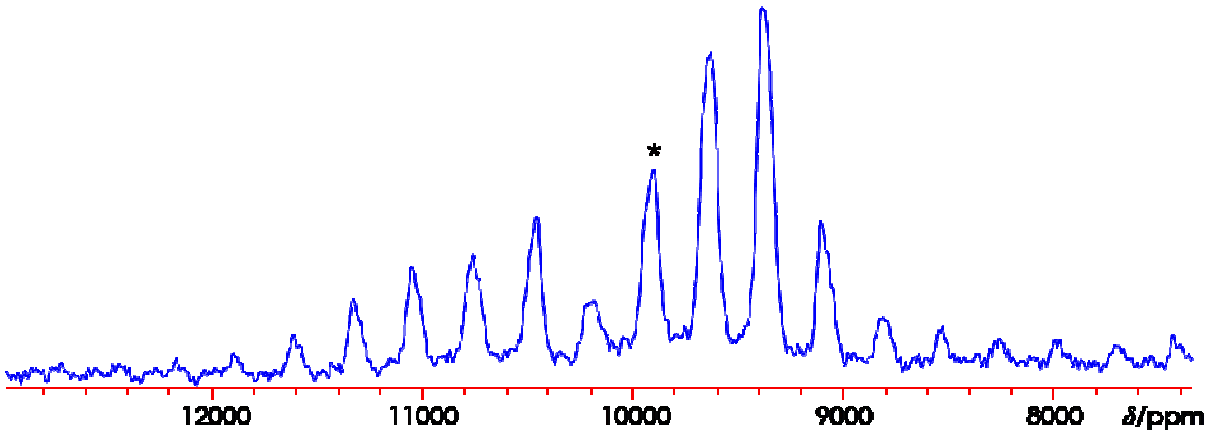

Figure S1. ^{59}Co MAS SSNMR spectrum of **1**, acquired at 21.1 T and ν_{MAS} = 60 kHz. The centreband is denoted with an asterisk. The experimental position of centre of gravity of the centreband is located at the position (δ_{cg} = 9912(5) ppm) that would be expected using the $C_Q(^{59}Co)$, η_Q, and δ_{iso} values quoted in the manuscript, after adjusting for the known second-order quadrupolar shift, δ_Q, which is equal to $-(1/392)(C_Q/\nu_0)^2(1+(\eta_Q)^2/3)$ = –60 ppm. (i.e., the centre of gravity of the centreband, δ_{cg}, is calculated to be located at $\delta_{iso} + \delta_Q$ = 9975 – 60 = 9915 ppm, in excellent agreement with observations).