Supplementary Material

Synthesis, structure and properties of a pentanuclear cobalt(III) coordination cluster

SWAMY MALOTH, SATHISH KUMAR KURAPATI and SAMUDRANIL PAL*

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India

* Corresponding author. E-mail: spsc@uohyd.ac.in

Figure S1. Infrared spectrum of [$\{L(O_2CCH_3)Co_2O(OCH_3)_2\}_2Co\](ClO_4)_3$ (**1**) in a KBr pellet.

Figure S2. Electronic spectrum of $[\{\text{L}(\text{O}_2\text{CCH}_3)\text{Co}_2\text{O}(\text{OCH}_3)_2\}_2\text{Co}](\text{ClO}_4)_3$ (**1**) in CH_3CN .

Figure S3. Cyclic voltammogram (scan rate 100 mVs^{-1}) of $\sim 10^{-3} \text{ M}$ $[\{\text{L}(\text{O}_2\text{CCH}_3)\text{Co}_2\text{O}(\text{OCH}_3)_2\}_2\text{Co}](\text{ClO}_4)_3$ (**1**) in CH_3CN (0.1 M TBAP) at 298 K.