

SUPPORTING INFORMATION

Title: Tetradecanuclear Lanthanide-Vanadium "Nanochocolates": Catalytically-Active Cationic Heteropolyoxovanadium Clusters

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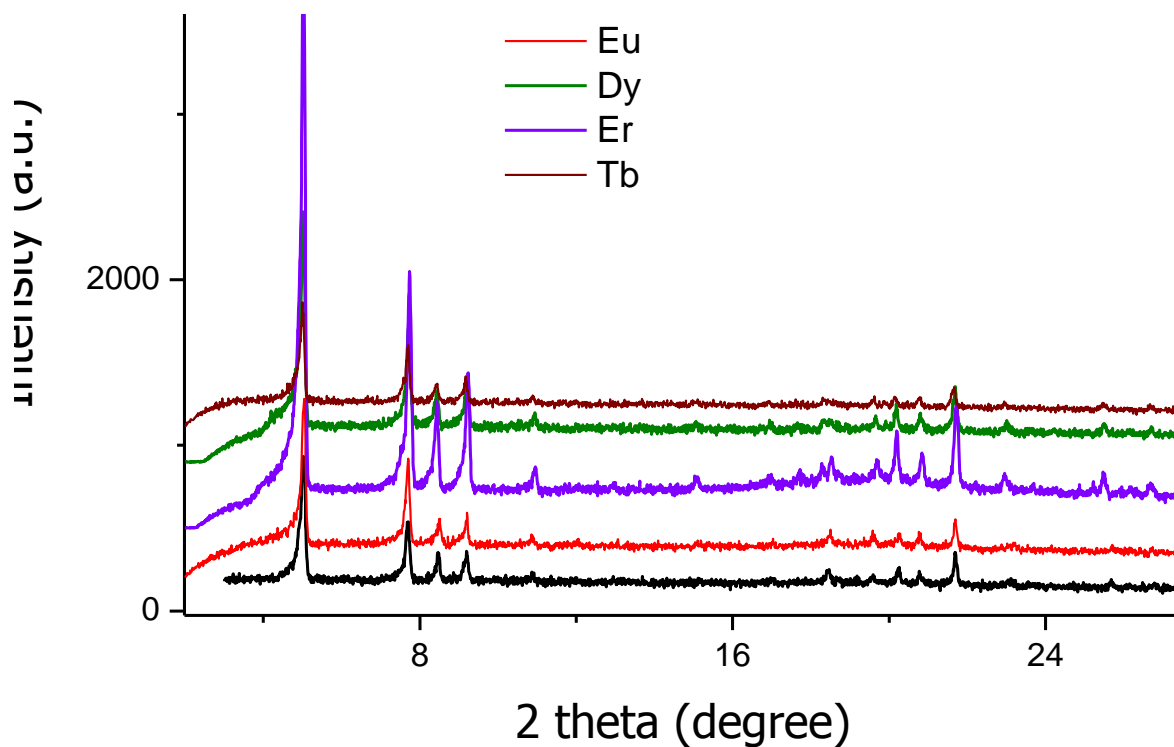


Figure S1: X-Ray powder diffraction patterns measured for compounds 1-5 (in capillary with mother liquor).

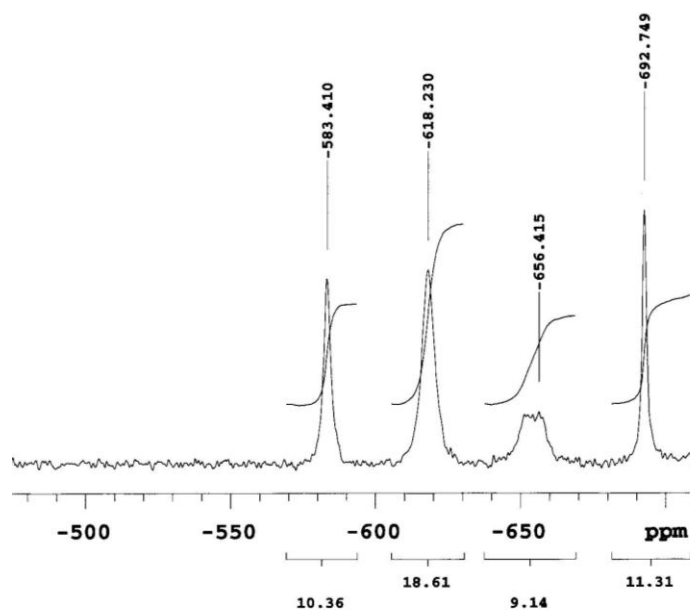


Figure S2. ⁵¹V-NMR spectra of 1 (Eu) in acetonitrile-*d*³ at -25°C (VOCl₃ as reference sample).

Magnetic data:

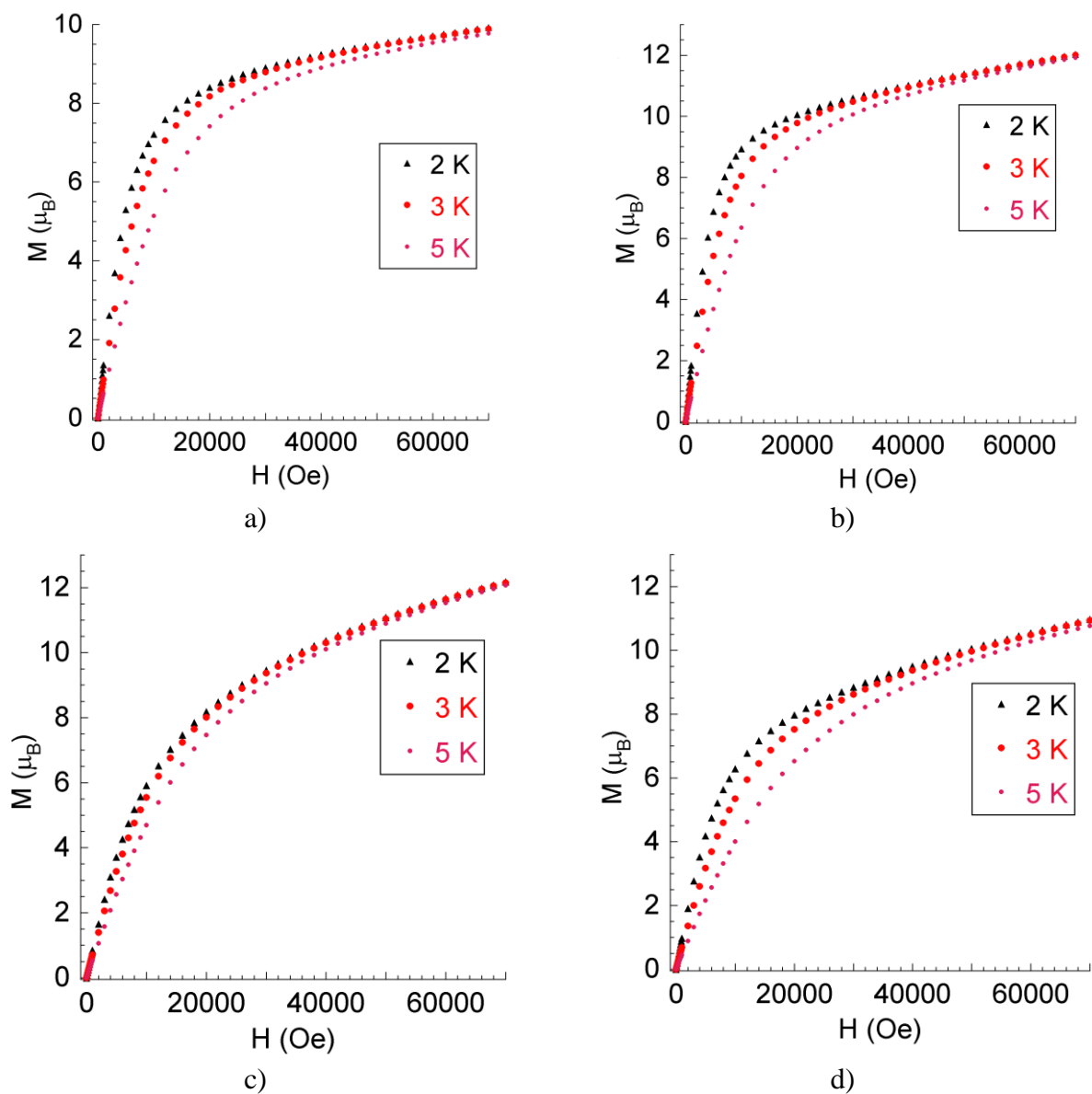


Figure S3. Variable-field magnetization data for complexes **2** (a), **3** (b), **4** (c), **5** (d) at indicated temperatures.

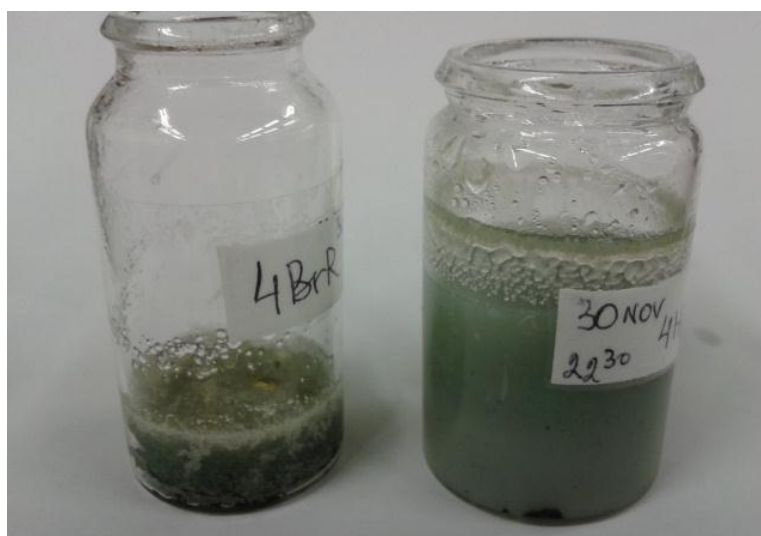


Figure S4. Dihydropyrimidinone synthesis: direct solidification of **7a** (right) and **7b** (left) after the reaction time (30 min).