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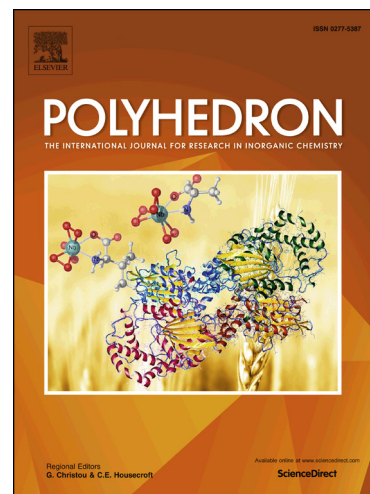
PII: S0277-5387(17)30416-3  
DOI: <http://dx.doi.org/10.1016/j.poly.2017.06.002>  
Reference: POLY 12679

To appear in: *Polyhedron*

Received Date: 30 April 2017  
Revised Date: 2 June 2017  
Accepted Date: 3 June 2017

Please cite this article as: N.N. Golovnev, M.S. Molokeev, I.V. Sterkhova, M.K. Lesnikov, V.V. Atuchin, Coordination effects in hydratedmanganese(II) 1,3-diethyl-2-thiobarbiturates and their thermal stability, *Polyhedron* (2017), doi: <http://dx.doi.org/10.1016/j.poly.2017.06.002>

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# Coordination effects in hydrated manganese(II) 1,3-diethyl-2-thiobarbiturates and their thermal stability

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†Electronic supplementary information (ESI) available. See DOI:xxx

## Abstract

Three new complexes of 1,3-diethyl-thiobarbituric acid (HDetba), barbiturate-bridged 2D Mn(II) polymer  $[\text{Mn}(\text{H}_2\text{O})_2(\text{Detba})_2]$  (**1**), trinuclear  $[\text{Mn}_3(\text{H}_2\text{O})_{10}(\text{Detba})_6]$  (**2**) and discrete molecular  $[\text{Mn}(\text{H}_2\text{O})_4(\text{Detba})_2] \cdot \text{H}_2\text{O}$  (**3**) are synthesized and structurally characterized by the X-ray single

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