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*Supplementary material*

SUPPLEMENTARY MATERIAL TO  
**Synthesis and structural analysis of tetranuclear Zn(II) complex  
with 2,3-dihydroxybenzaldehyde-aminoguanidine**

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ANALYTICAL AND SPECTRAL DATA

*L-HCl – 2,3-dihydroxybenzaldehyde-aminoguanidine hydrogenchloride*

Anal. Calcd. for  $C_8H_{11}N_4O_2Cl$ : C, 41.67; H, 4.81; N, 24.29 %. Found: C, 41.90; H, 4.81; N, 24.29 %. Mp = 228 °C Selected IR bands [wavenumber,  $cm^{-1}$ ]: 3308 (s), 3185 (s), 2884 (s), 2802 (s), 1670 (vs), 1624 (vs), 1580 (m), 1491 (m), 1456 (m), 1361 (m), 1264 (s), 1165 (w), 1074 (w), 956 (w), 846 (w).

*[Zn<sub>2</sub>(μ-L)(μ-OAc)<sub>2</sub>]<sub>2</sub>·2MeCN*

Anal. Calcd. for  $C_{28}H_{34}N_{10}O_{12}Zn_4$ : C, 34.88; H, 3.53; N, 14.53 %. Found: C, 35.10; H, 3.66; N, 14.32 %. Conductivity,  $\Lambda = 8 \text{ S cm}^2 \text{ mol}^{-1}$  (in DMF). Mp > 250 °C. Selected IR bands [wavenumber,  $cm^{-1}$ ]: 1626 (s), 1573 (vs), 1456 (s), 1427 (s), 1539 (w), 1250 (m), 1216 (m), 1138 (m), 1084 (m), 1030 (w), 953 (w), 865 (w).

Abbreviations used for IR spectra: vs, very strong; s, strong; m, medium; w, weak.

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TABLE S-I. Crystallographic and refinement details for  $[\text{Zn}_2(\mu\text{-L})(\mu\text{-OAc})_2]_2 \cdot 2\text{MeCN}$ 

Chemical formula	$\text{C}_{28}\text{H}_{34}\text{N}_{10}\text{O}_{12}\text{Zn}_4$
CCDC No.	2285370
Temperature, K	295(2)
Formula weight, $\text{g mol}^{-1}$	964.21
Crystal system	triclinic
Space group	$P\bar{1}$
$a / \text{\AA}$	8.8225(3)
$b / \text{\AA}$	9.9872(3)
$c / \text{\AA}$	11.4437(4)
$\alpha / ^\circ$	87.645(3)
$\beta / ^\circ$	70.488(3)
$\gamma / ^\circ$	78.268(3)
$V / \text{\AA}^3$	930.18(5)
Crystal size, $\text{mm}^3$	$0.67 \times 0.34 \times 0.16$
Reflections collected	15341
Unique reflections	3805
Observed reflections [ $I > 2\sigma(I)$ ]	3426
$R_{\text{int}}$	0.019
$R [I > 2\sigma(I)]$	0.022
$R$ (all data)	0.061
Goodness-of-fit, $S$	1.071
$\Delta\rho_{\text{max}}, \Delta\rho_{\text{min}}, \text{e \AA}^{-3}$	0.28 / -0.22