Supporting Information

Pentanuclear Complexes with Unusual Structural Topologies from the Initial Use of two Aliphatic Amino-Alcohol Ligands in Fe Chemistry

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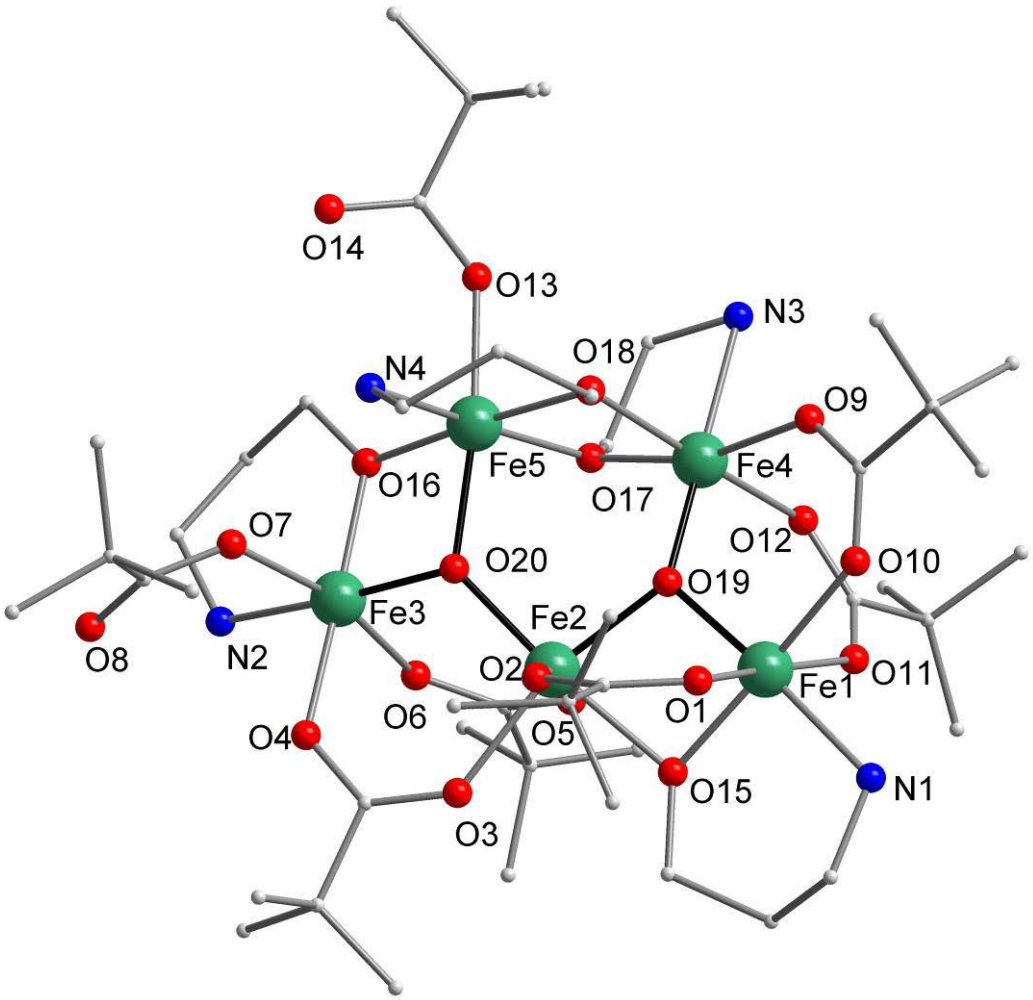

Fig. S1. A partially labelled representation of the molecular structure of **2**. Colour code: Fe, green; O, red; N, blue; C, grey. H atoms are omitted for clarity.

Table S1. Selected interatomic distances (Å) for complex **2**

Fe1···Fe2	2,970(1)	Fe3 - O4	2.015(2)
Fe1···Fe4	3,269(1)	Fe3 - O6	2.051(2)
Fe2···Fe3	3,265(1)	Fe3 - O7	2.022(2)
Fe2···Fe4	3,462(1)	Fe3 - O16	1.988(2)
Fe2···Fe5	3,516(1)	Fe3 - O20	1.904(2)
Fe3···Fe5	2,996(1)	Fe3 – N2	2.159(3)
Fe4···Fe5	3,045(1)	Fe4 – O9	2.041(2)
Fe1 - O1	2.066(2)	Fe4 – O12	2.030(2)
Fe1 - O10	2.066(2)	Fe4 – O17	1.975(2)
Fe1 - O11	2.061(2)	Fe4 – O18	2.020(2)
Fe1 - O15	1.946(2)	Fe4 – O19	1.851(2)
Fe1 - O19	1.878(2)	Fe4 – N3	2.181(3)
Fe1 - N1	2.124(2)	Fe5 – O13	2.046(2)
Fe2 - O2	2.061(2)	Fe5 – O16	1.987(2)
Fe2 - O3	2.065(2)	Fe5 – O17	1.985(2)
Fe2 - O5	2.038(2)	Fe5 – O18	2.017(2)
Fe2 - O15	2.117(2)	Fe5 – O20	2.011(2)
Fe2 - O19	1.938(2)	Fe5 –N4	2.132(2)
Fe2 - O20	1.889(2)		

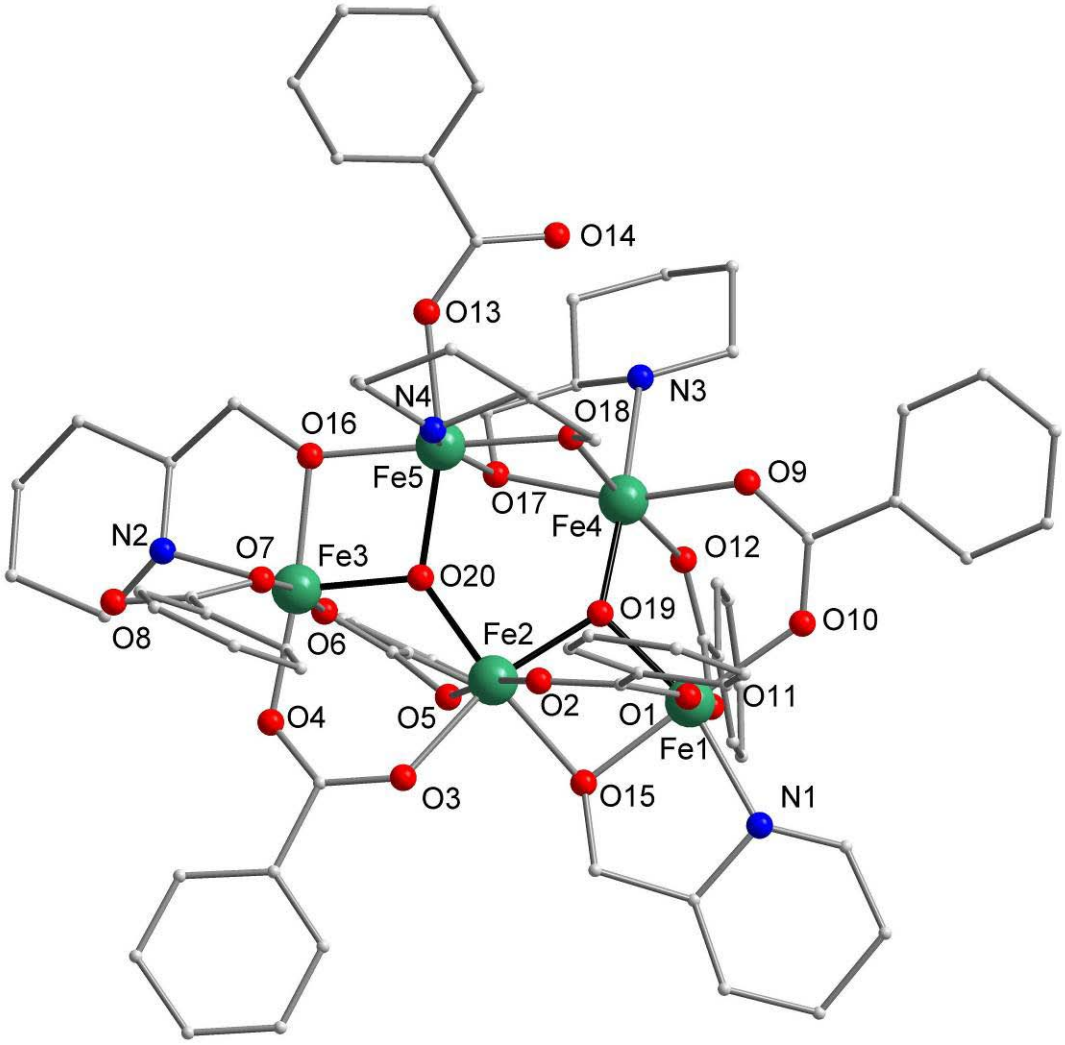

Fig. S2. A partially labelled representation of the molecular structure of **3**. Colour code: Fe, green; O, red; N, blue; C, grey. H atoms are omitted for clarity.

Table S2. Selected interatomic distances (Å) for complex **3**·1.3MeCN·H_2O

Fe1···Fe2	2,970(9)	Fe3 - N2	2.168(4)
Fe1···Fe4	3,248(2)	Fe3 - O4	2.015(3)
Fe2···Fe3	3,214(9)	Fe3 - O6	2.045(3)
Fe2···Fe4	3,524(2)	Fe3 - O7	1.994(4)
Fe2···Fe5	3,563(2)	Fe3 - O16	1.993(3)
Fe3···Fe5	3,011(2)	Fe3 - O20	1.895(3)
Fe4···Fe5	3,041(8)	Fe4 - N3	2.157(4)
Fe1 - N1	2.105(4)	Fe4 - O9	2.023(3)
Fe1 - O1	2.077(3)	Fe4 - O12	2.075(3)
Fe1 - O10	2.039(3)	Fe4 - O17	2.039(3)
Fe1 - O11	2.032(3)	Fe4 - O18	1.995(3)
Fe1 - O19	1.871(3)	Fe4 - O19	1.848(3)
Fe1 - O15	1.981(3)	Fe5 - N4	2.161(4)
Fe2 - O2	2.095(3)	Fe5 - O13	2.006(3)
Fe2 - O3	2.066(3)	Fe5 - O16	1.963(3)
Fe2 - O5	2.059(3)	Fe5 - O17	2.012(3)
Fe2 - O15	2.064(3)	Fe5 - O18	1.997(3)
Fe2 - O19	1.952(3)	Fe5 - O20	2.011(3)
Fe2 - O20	1.875(3)		

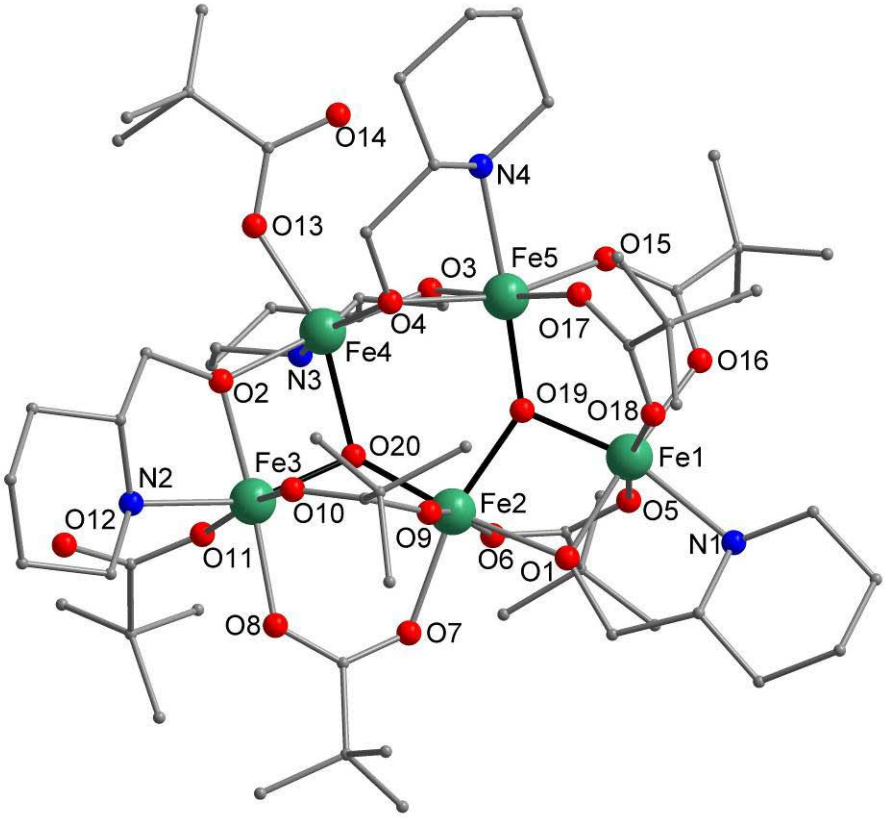

Fig. S3. A partially labelled representation of the molecular structure of **4**. Colour code: Fe, green; O, red; N, blue; C, grey. H atoms are omitted for clarity.

Table S3. Selected interatomic distances (Å) for complex **4**·0.3H_2O

Fe1···Fe2	2,954(2)	Fe3 - N2	2.167(5)
Fe1···Fe5	3,230(2)	Fe3 - O10	2.066(4)
Fe2···Fe3	3,199(2)	Fe3 - O11	1.988(4)
Fe2···Fe4	3,576(2)	Fe3 - O2	1.983(4)
Fe2···Fe5	3,540(2)	Fe3 - O20	1.899(4)
Fe3···Fe4	3,038(2)	Fe3 - O8	2.028(5)
Fe4···Fe5	3,070(2)	Fe4 - N3	2.177(5)
Fe1 - N1	2.174(5)	Fe4 - O13	2.007(4)
Fe1 - O1	1.955(4)	Fe4 - O2	1.959(4)
Fe1 - O16	2.028(4)	Fe4 - O20	2.048(4)
Fe1 - O18	2.025(5)	Fe4 - O3	1.997(4)
Fe1 - O19	1.864(4)	Fe4 - O4	2.031(4)
Fe1 - O5	2.072(4)	Fe5 - N4	2.163(5)
Fe2 - O1	2.070(4)	Fe5 - O15	2.043(4)
Fe2 - O19	1.959(4)	Fe5 - O17	2.082(4)
Fe2 - O20	1.861(4)	Fe5 - O19	1.844(4)
Fe2 - O6	2.066(4)	Fe5 - O3	1.985(4)
Fe2 - O7	2.049(4)	Fe5 - O4	2.044(4)
Fe2 - O9	2.018(4)		