**Supplementary Data**

Copper(II) and cobalt(II) complexes of 5-methyl pyrazole-3-carboxylic acid: Synthesis, X−ray crystallography, thermal analysis and *in vitro* antimicrobial activity

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Table S1. Hydrogen bonding parameters of **1**-**3**.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Compounds | D–H···A | d(D–H) Å | d(H···A) Å | d(D···A) Å | ˂D-H-A[°] | Symmetry |
| **1** | O1**‒**H1A···O5 | 0.74 | 2.04 | 2.7856(2) | 176.00 | -x,-y,1-z |
| N2**‒**H2···O6 | 0.76 | 2.01 | 2.7781(2) | 173.00 |
| N4**‒**H4···O1 | 0.77 | 2.03 | 2.7931(2) | 170.00 |
| O6**‒**H6A···O3 | 0.79 | 2.03 | 2.7793(2) | 163.00 |
| O7**‒**H7A···O3 | 0.86 | 2.07 | 2.8818(2) | 175.00 |
| **2** | N2**‒**H2···O100 | 0.90 | 1.84 | 2.7237(1) | 168.00 | -1+x, y, z |
| N4**‒**H4···O4 | 0.89 | 1.84 | 2.7266(1) | 176.00 |
| **3** | O3**‒**H1A···O2 | 0.83 | 1.86 | 2.6691(2) | 165.00 | 1-x+y, 1-x, z |
| O3**‒**H1B···O2 | 0.83 | 2.09 | 2.9174(3) | 168.00 |
| N2**‒**H2A···O2 | 0.94 | 1.92 | 2.8422(3) | 166.00 |

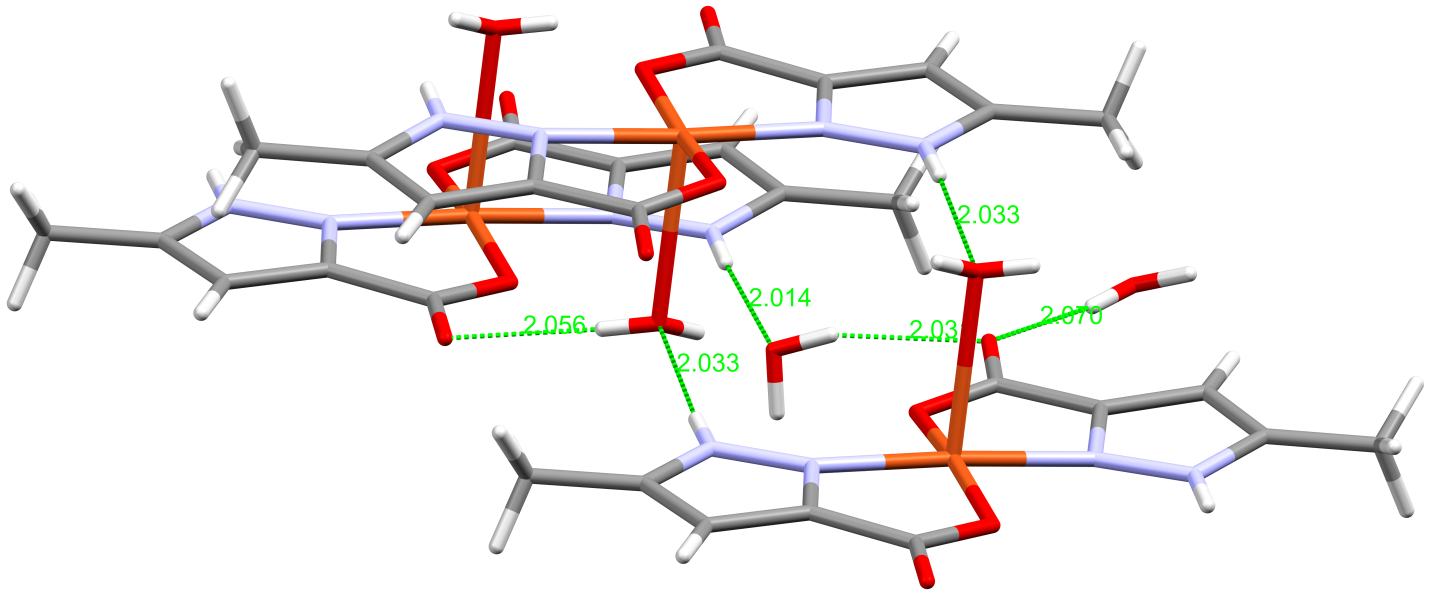


Figure S1. H bond interaction of **1**.

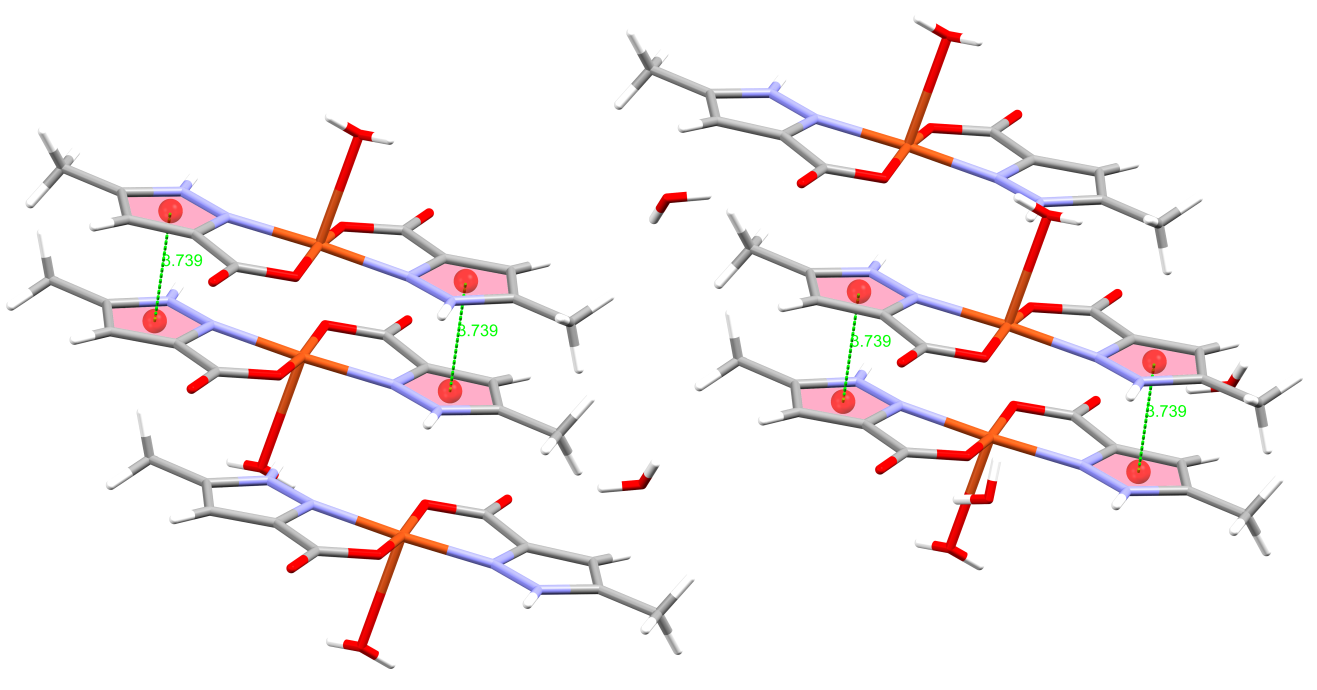


Figure S2. π−π interaction of **1**.

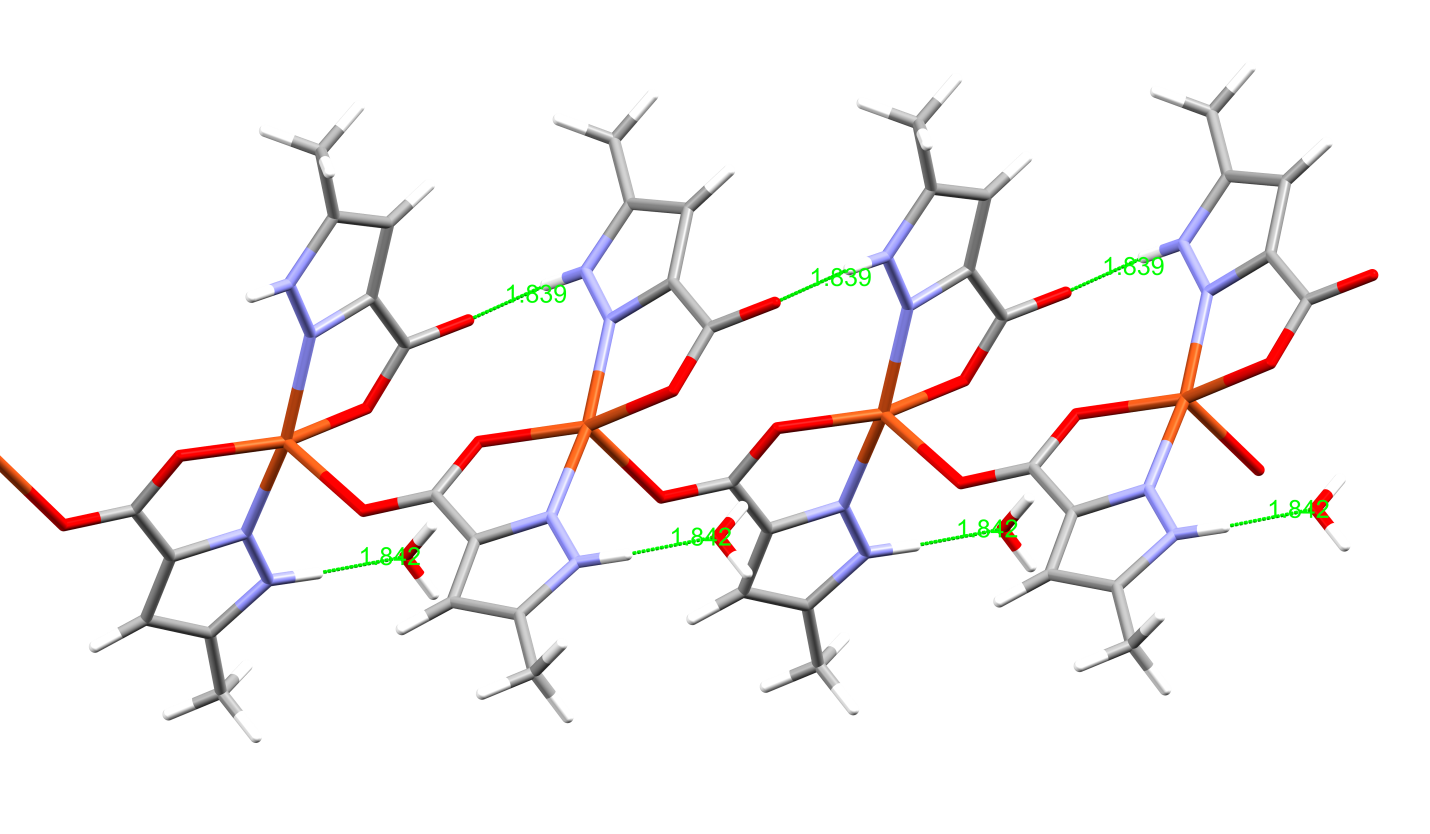


Figure S3. H bonding interaction of **2**.

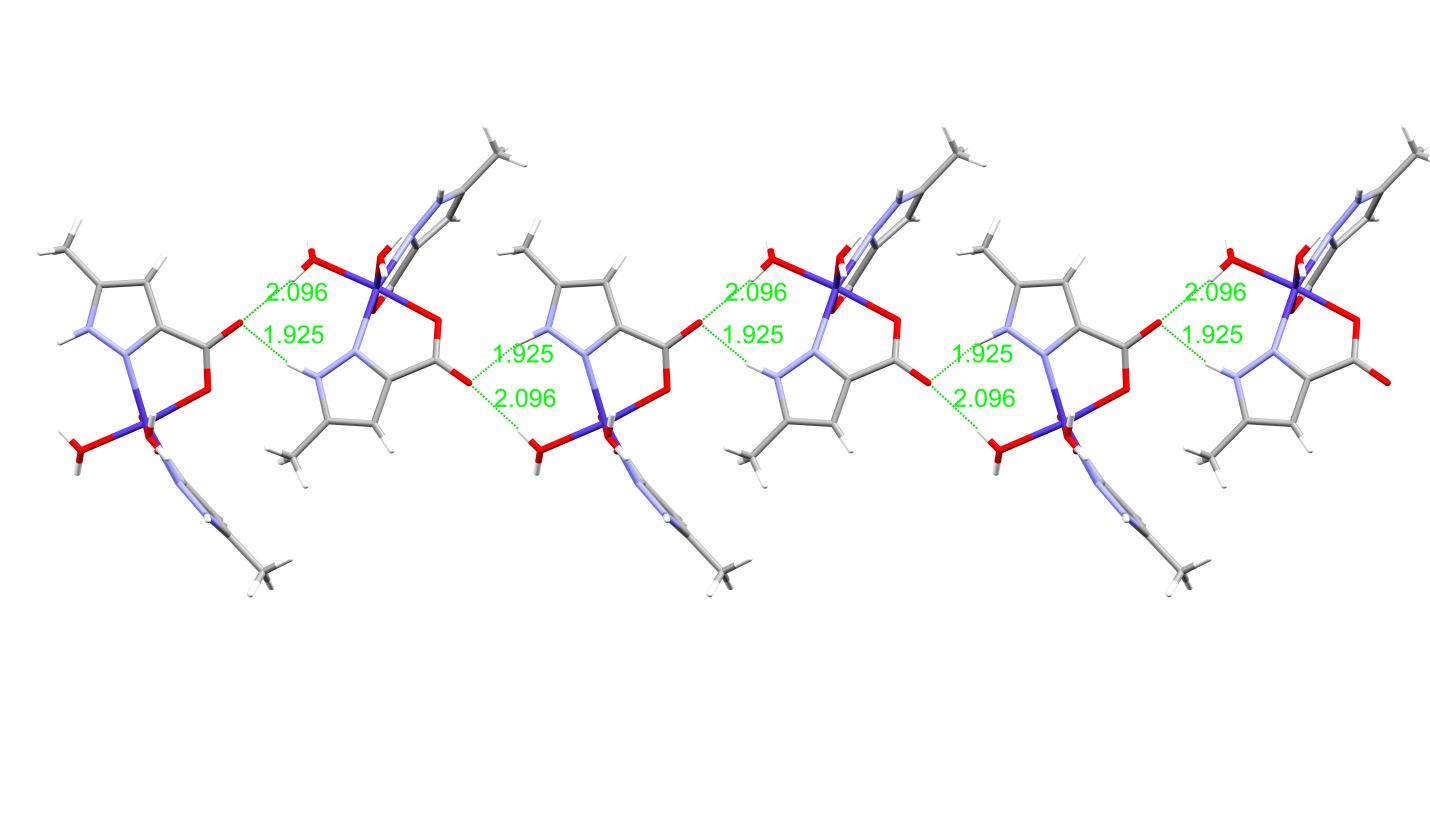


Figure S4. H bond interaction of **3**.





Scheme S1. Thermal decomposition scheme of **1**, **2** and **3**.

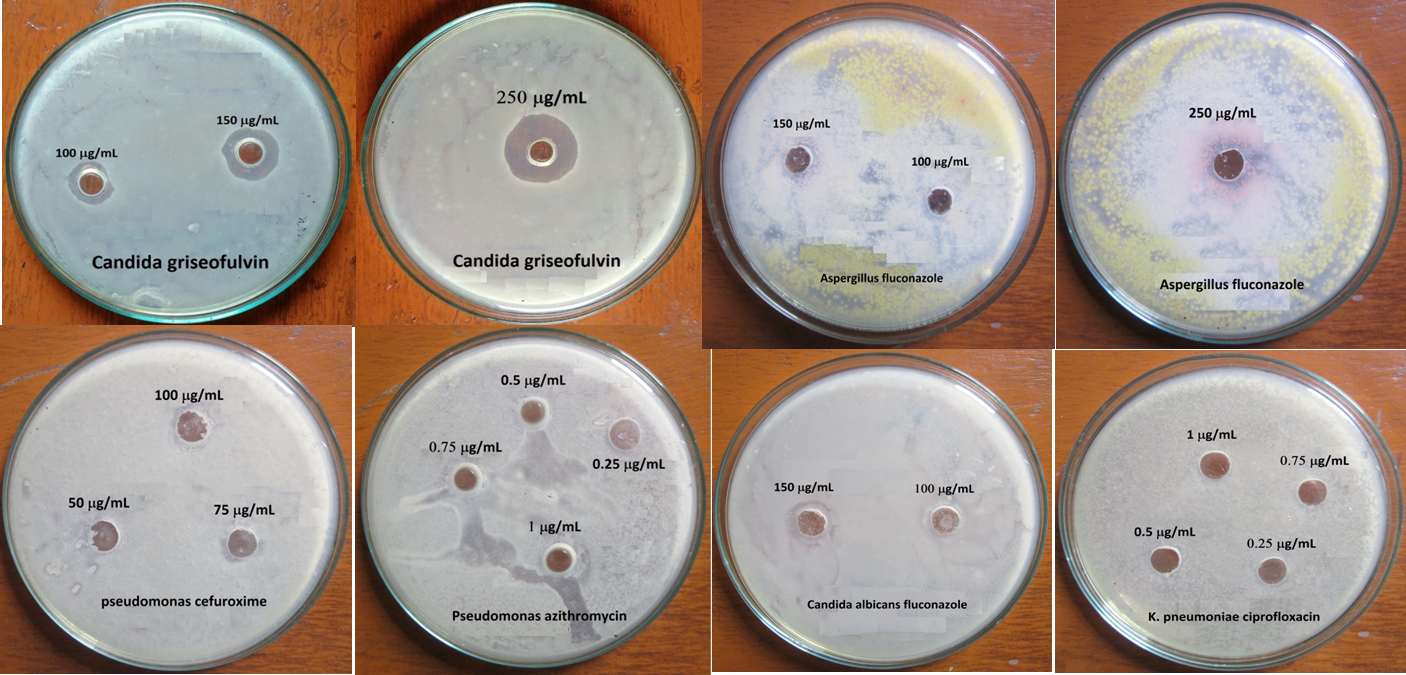


Figure S5. Camera view of the agar experiment for MIC value determination.