

Synthetic cobalt clays for the storage and slow release of therapeutic nitric oxide

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Supplementary Information

Figure S1: The structure of the 2:1 layered clays

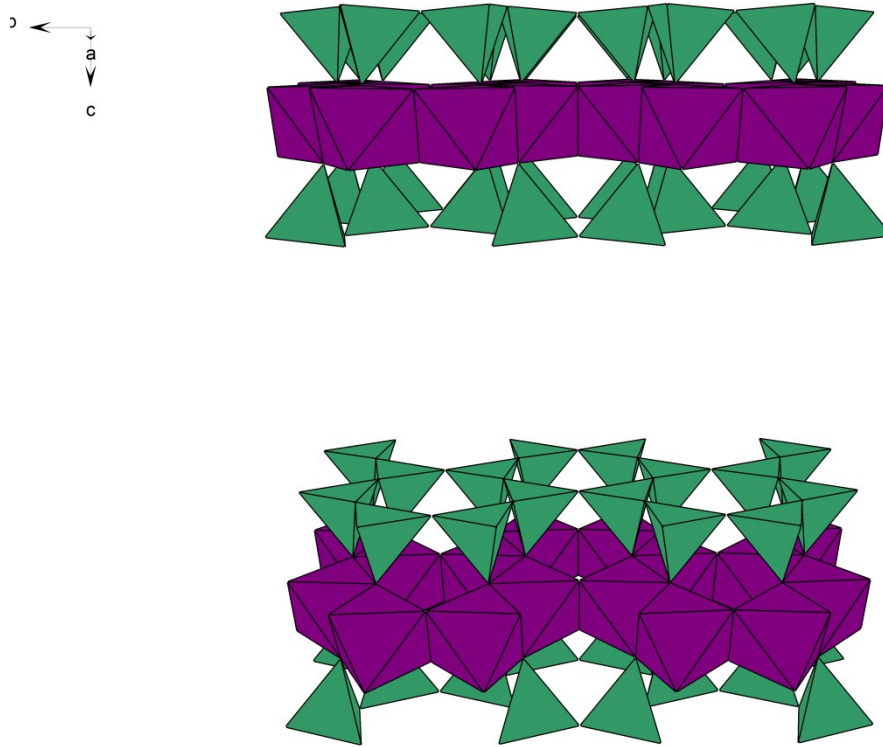


Fig. S1 Structure of a smectite (a 2:1 clay). Smectites are formed by one sheet of octahedral cations (usually Al^{3+} , Fe^{2+} , Fe^{3+} or Mg^{2+}) in coordination with oxygen atoms – the corners of the octahedra (in dark violet), sandwiched between two opposing tetrahedral sheets of cations (usually Si^{4+} or Al^{3+}) also coordinated with oxygen atoms – the corners of the tetrahedra (in green). Basal spacing (d_{001}) includes the space (height) of the layers and of the interlayer region between two adjacent tetrahedral sheets.