SUPPLEMENTARY INFORMATION

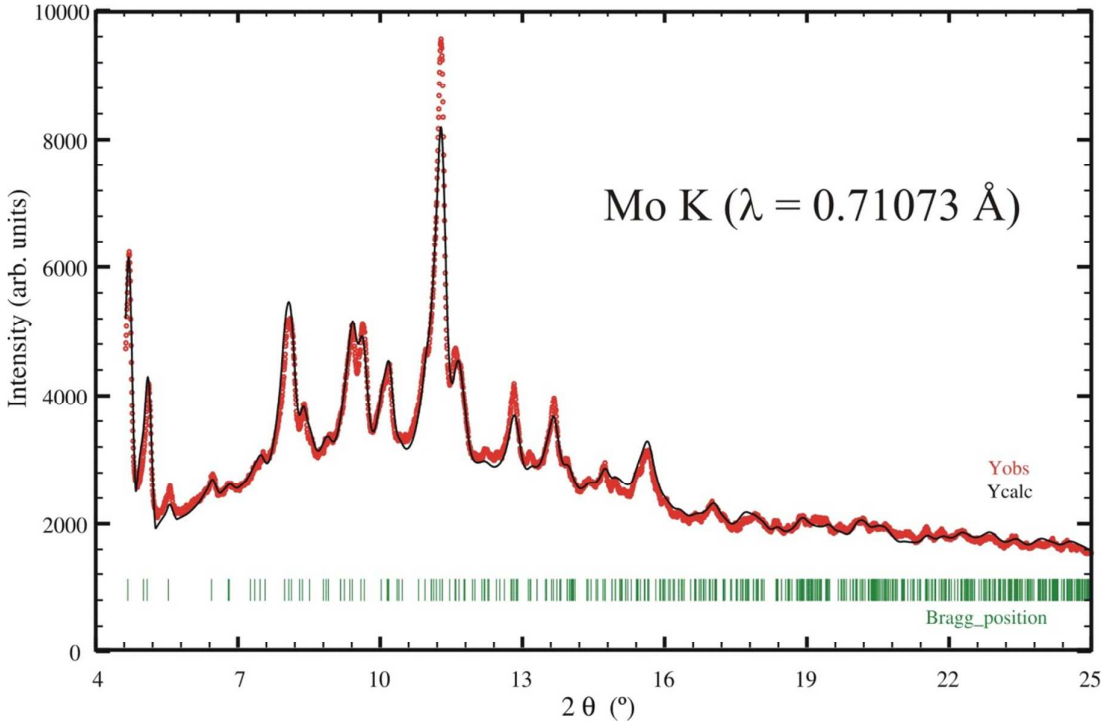

Figure S1. Powder of compound **1** was investigated by means of X-ray diffraction using a STADI P diffractometer from STOE and Mo K radiation. The calculated pattern (Ycalc) was obtained with the Rietveld software Fullprof2k.[1] The crystallographic data were taken directly from the single crystal refinement. The cell parameters, zero-position, background, peak profiles (Pseudo-Voigt), peak asymmetry, and an overall thermal displacement parameter were refined to obtain a reasonable description of the diffraction data (Yobs).

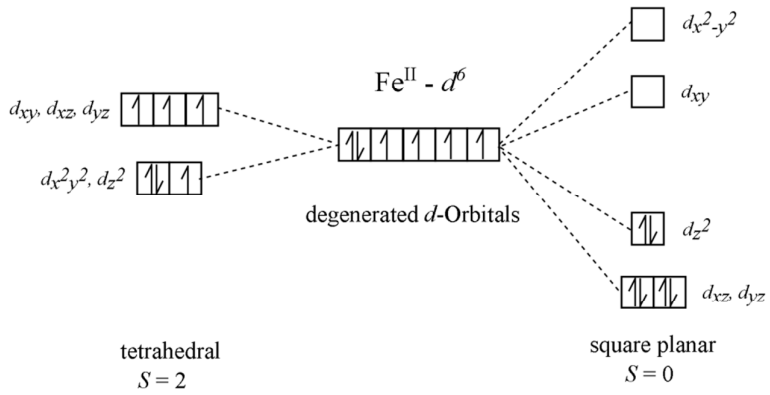

Figure S2. Splitting of Fe(II) ligand field in the case of a tetrahedral high-spin complex (left) and square planar low-spin complex (right) and their resulting spin moment *S*, respectively.

(1) Roisnel T.; Rodriguez-Carvajal J. Fullprof2k V. 1.8a, Laboratoire Léon Brillouin (CEA-CNRS) 91191 Gif-sur-Yvette Cedex, France, **2001**.