Synthesis and Characterisation of Mu-26 a Fluorinated All-Silica Zeolite with the STF Framework Topology: Evidence for a Triclinic Symmetry

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Mu-26, a fluorinated all-silica zeolite of topology STF, has been synthesised using cis-6,10-dimethyl-5-azonia-spiro[4,5]decane hydroxide as template. Preliminary X-ray powder diffraction pattern analysis and multinuclear solid state NMR studies revealed unambiguously a triclinic unit cell and space group P1 for this material.