

Supplementary materials

S1 The coordination polyhedron of the Gd(III) ion in **1**.

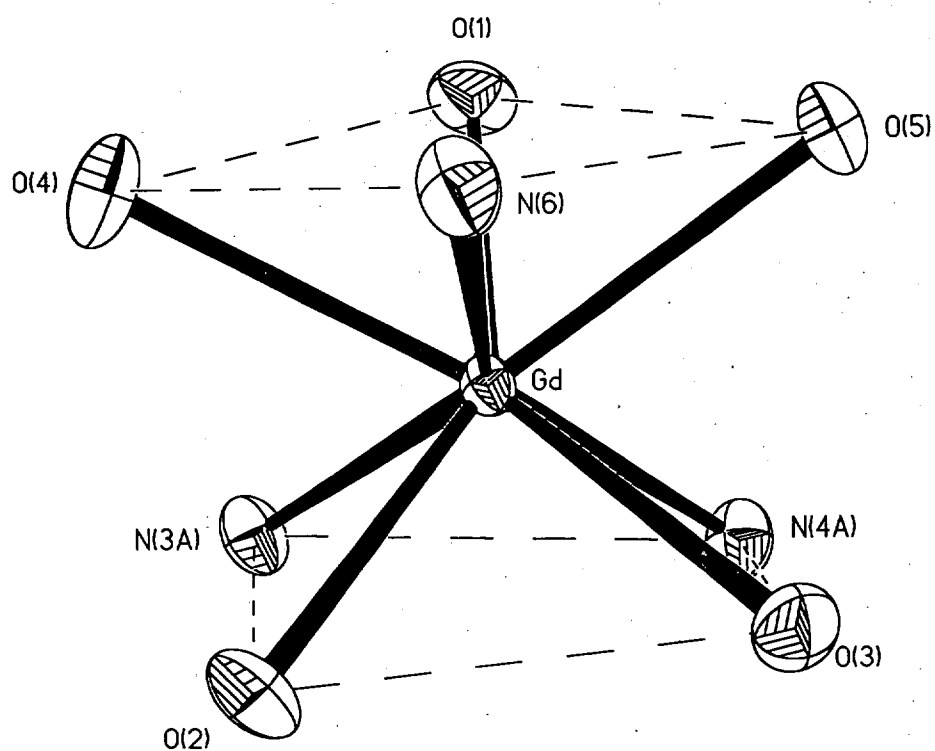
S2 Projection of **1** along the *c* axis showing the brick wall-like backbone.

S3 Projection of **1** along the *b* axis showing the H-bonded 3D network.

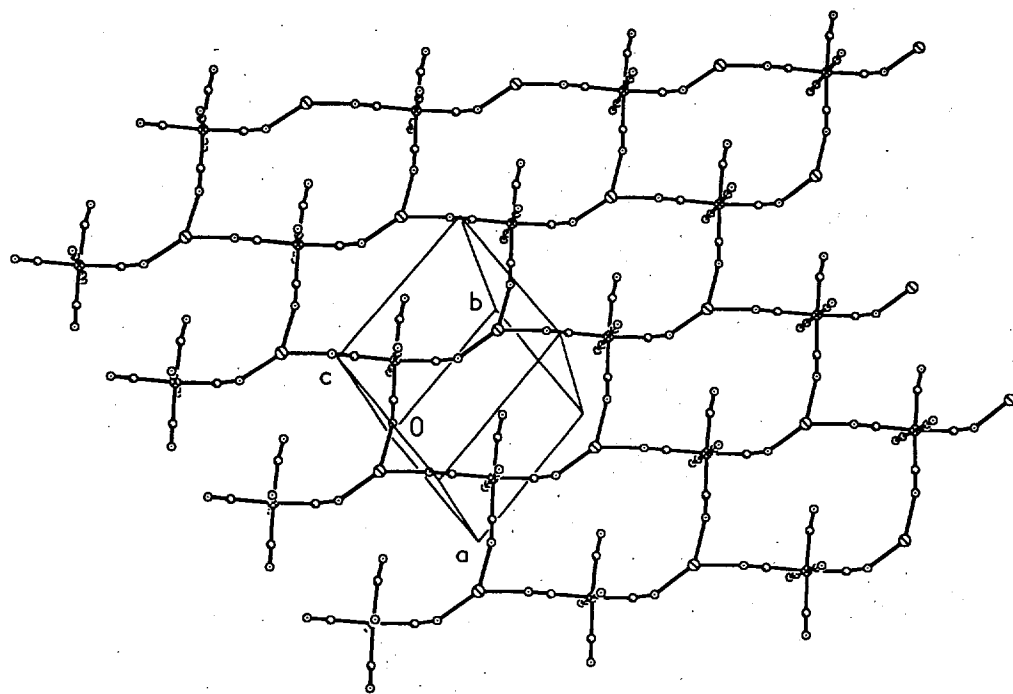
S4 Temperature dependence of χ_M^{-1} in an applied field of 5 kOe for **1**. The solid line represents the linear fit to the Curie-Weiss law in the temperature range 10-300 K.

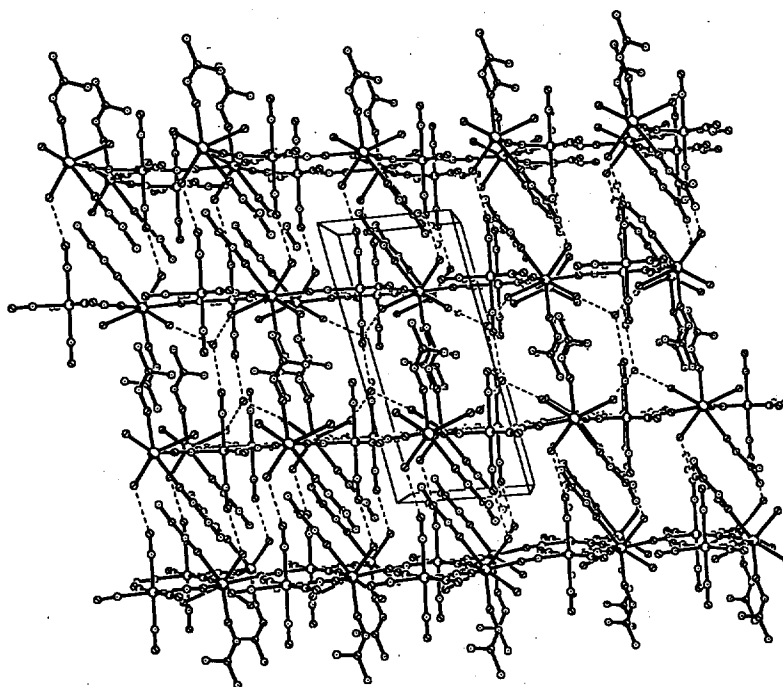
S5 Real (χ') and imaginary (χ'') ac magnetic susceptibilities in zero applied *dc* field and an *ac* field of 2 Oe at different frequencies for **1**.

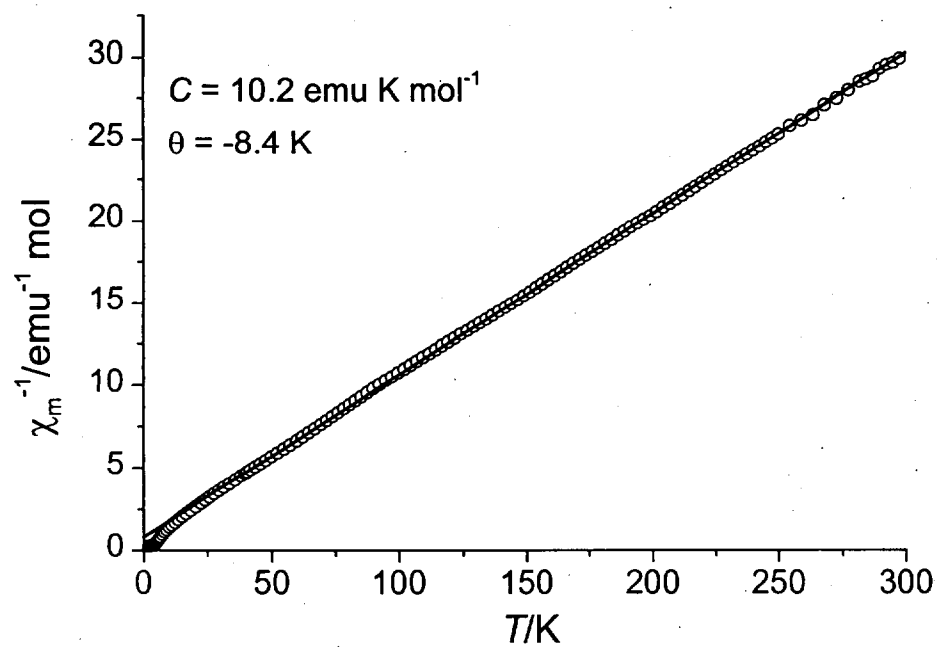
S6 Field dependence (0 - 30 KOe) of magnetization at 1.8 K for **1**.

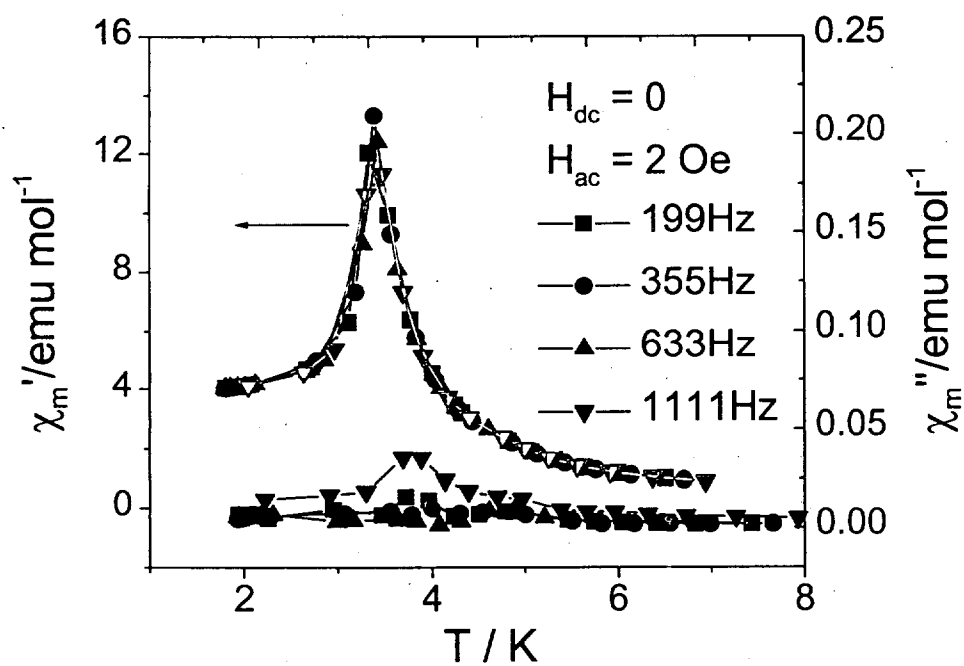


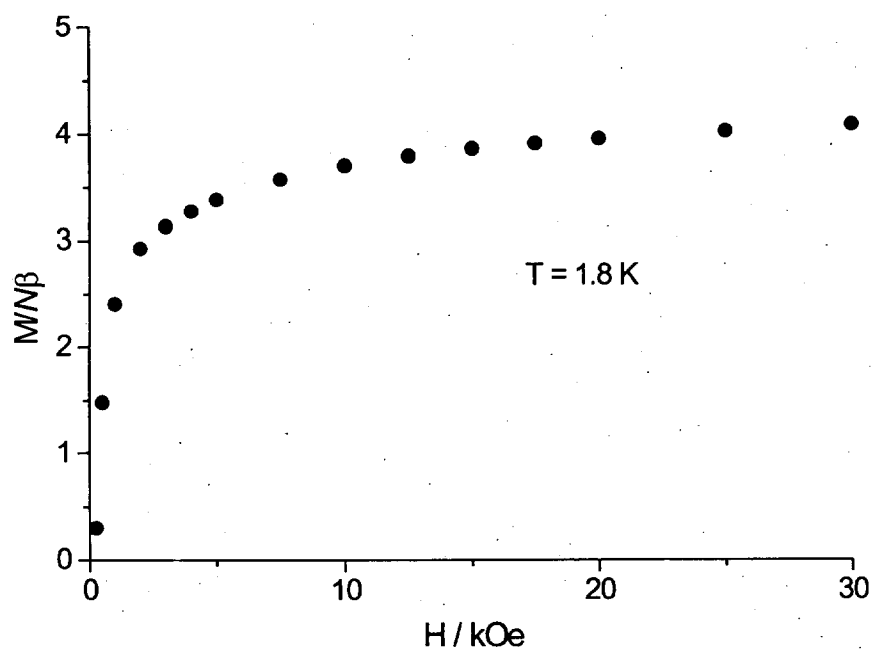
S1











S6