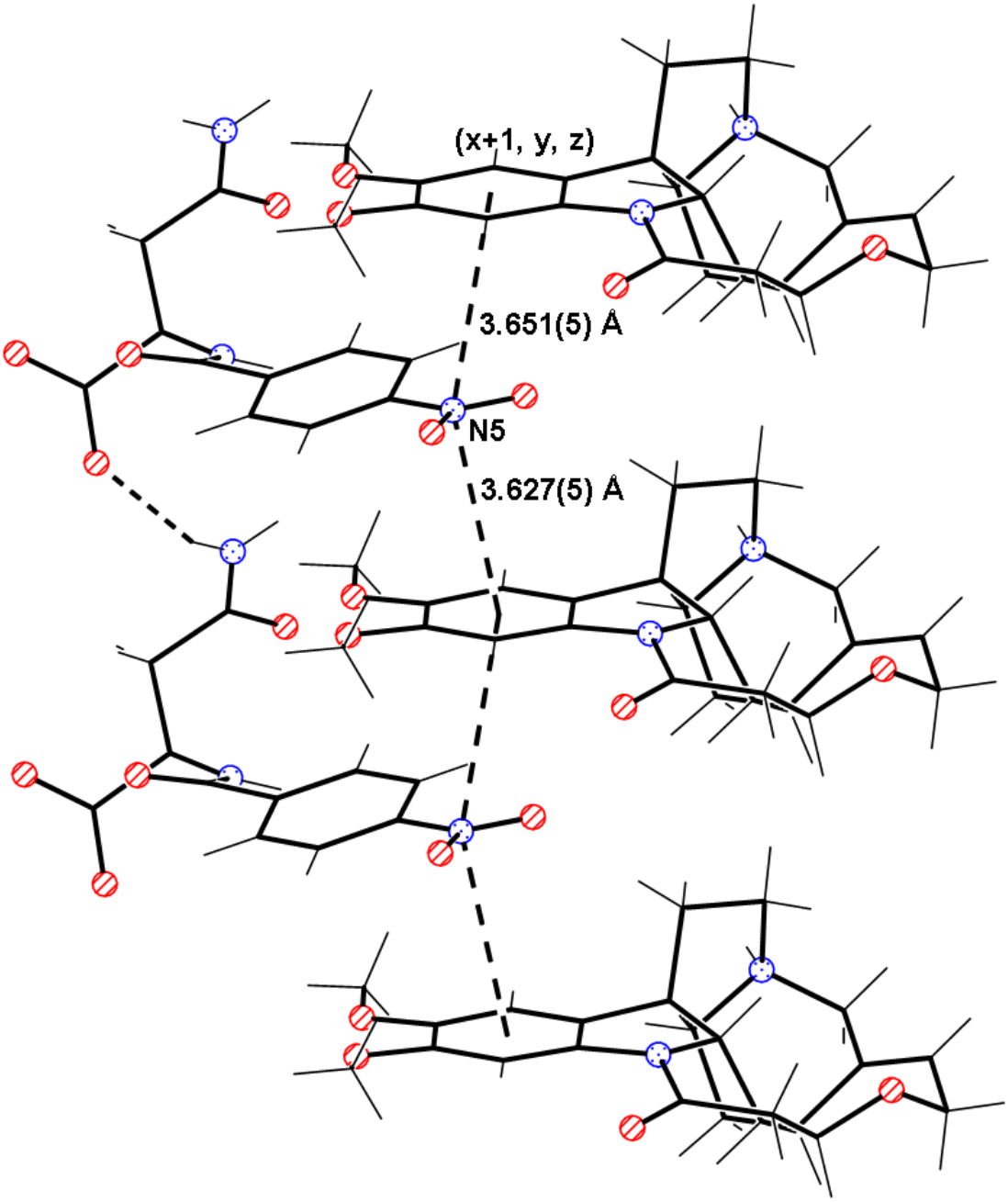
Fig. S1 Nitro…□ stacking interactions in 1. Angle between plane of arene ring of cations and nitro group of anions (with approximate esd) is equal to 5.19(9) º, and slippage of the nitro…□ and nitro…□(x+1, y, z) interactions is equal to 0.69 and 0.83 Å,
respectively.



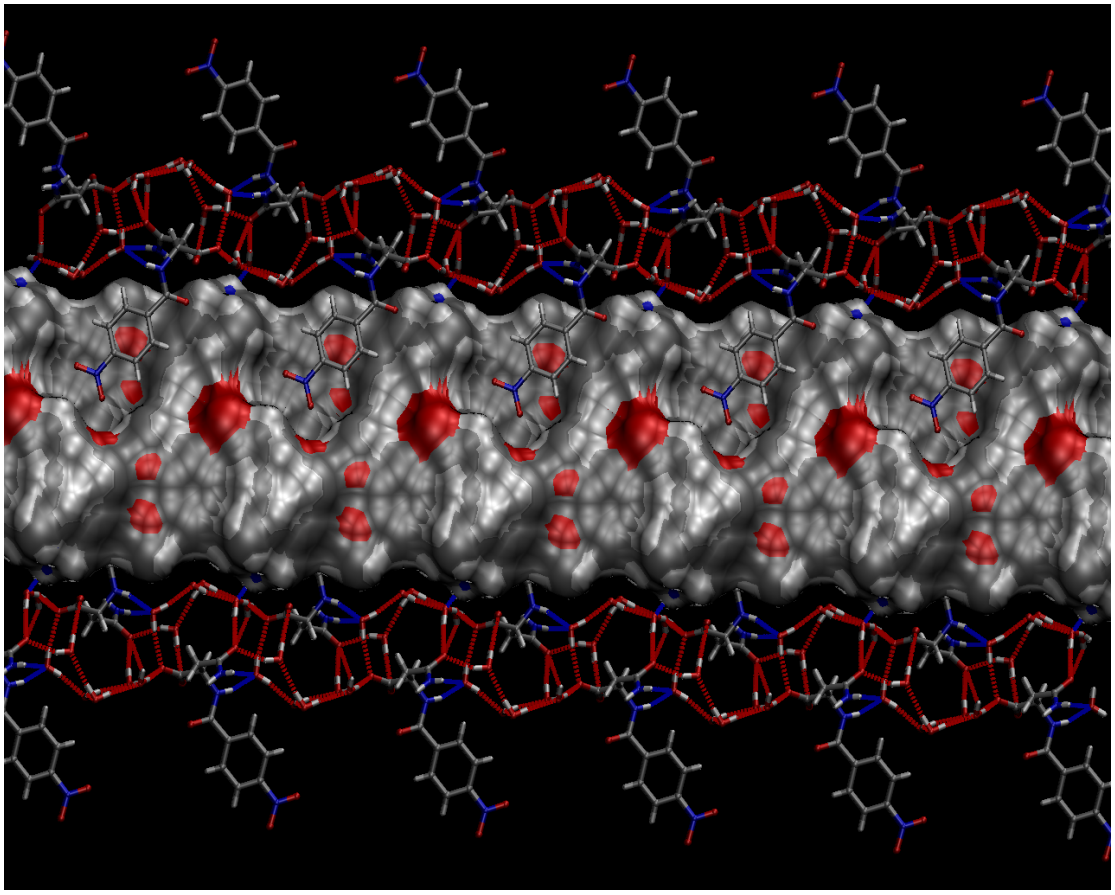


Fig.
S1a

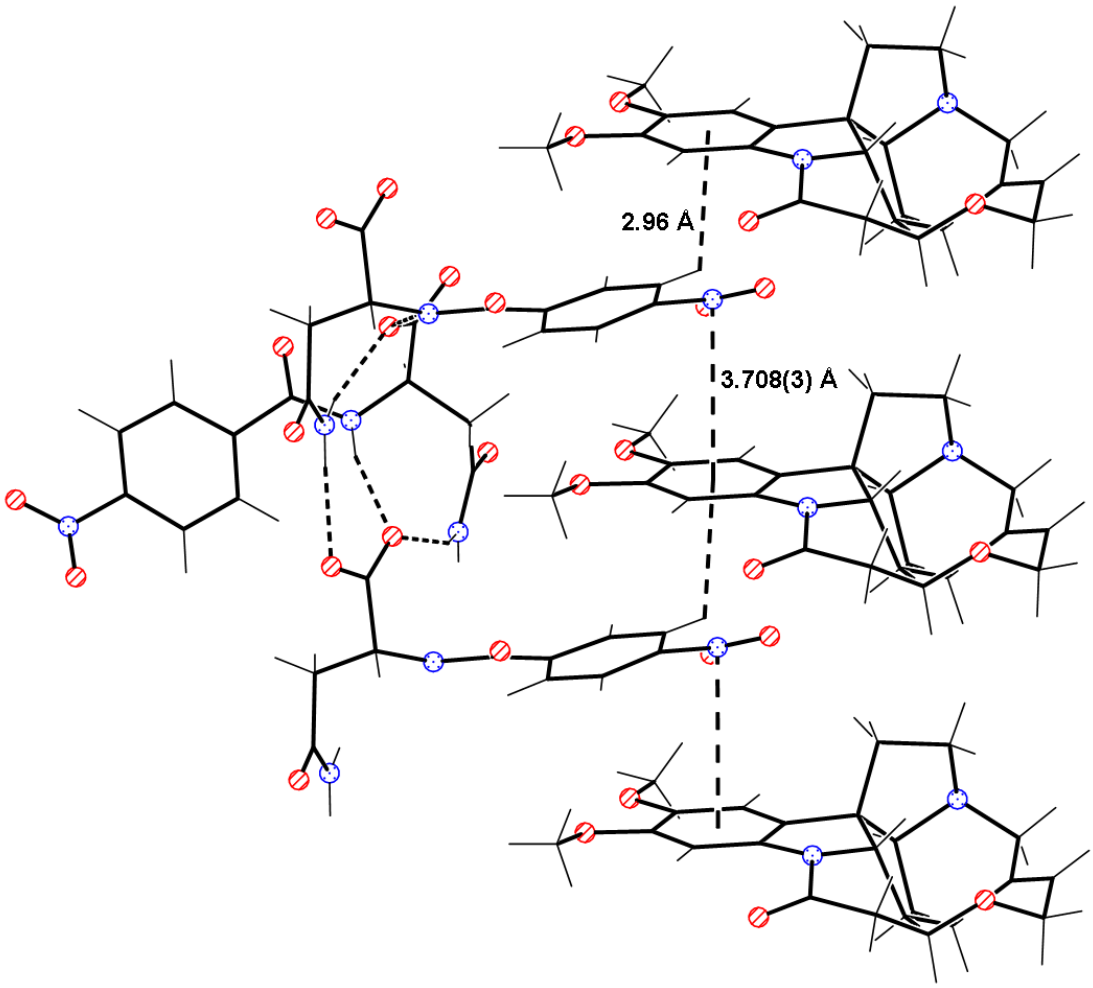


Fig. S2 C-H...□ hydrogen bonds and nitro…□ stacking interactions in 1a. Angle between plane of arene ring of cations and nitro group of anions (with approximate esd) is equal to 24.66(16) º, and slippage of the nitro…□(1.5-x, -y+1, -0.5+z) interactions is equal to 0.91 Å. Geometry of the C-H…□ hydrogen bond (Cp1 – centroid of brucinium arene ring): C31-H31 = 0.95 Å, H31…Cp1(0.5-x, -y+1, -0.5+z) = 2.96 Å, C31…Cp1(0.5-x, -y+1, -0.5+z) = 3.500(3) Å, C31-H31…Cp1(0.5-x, -y+1, -0.5+z) = 118 º, offset = 0.29 Å.

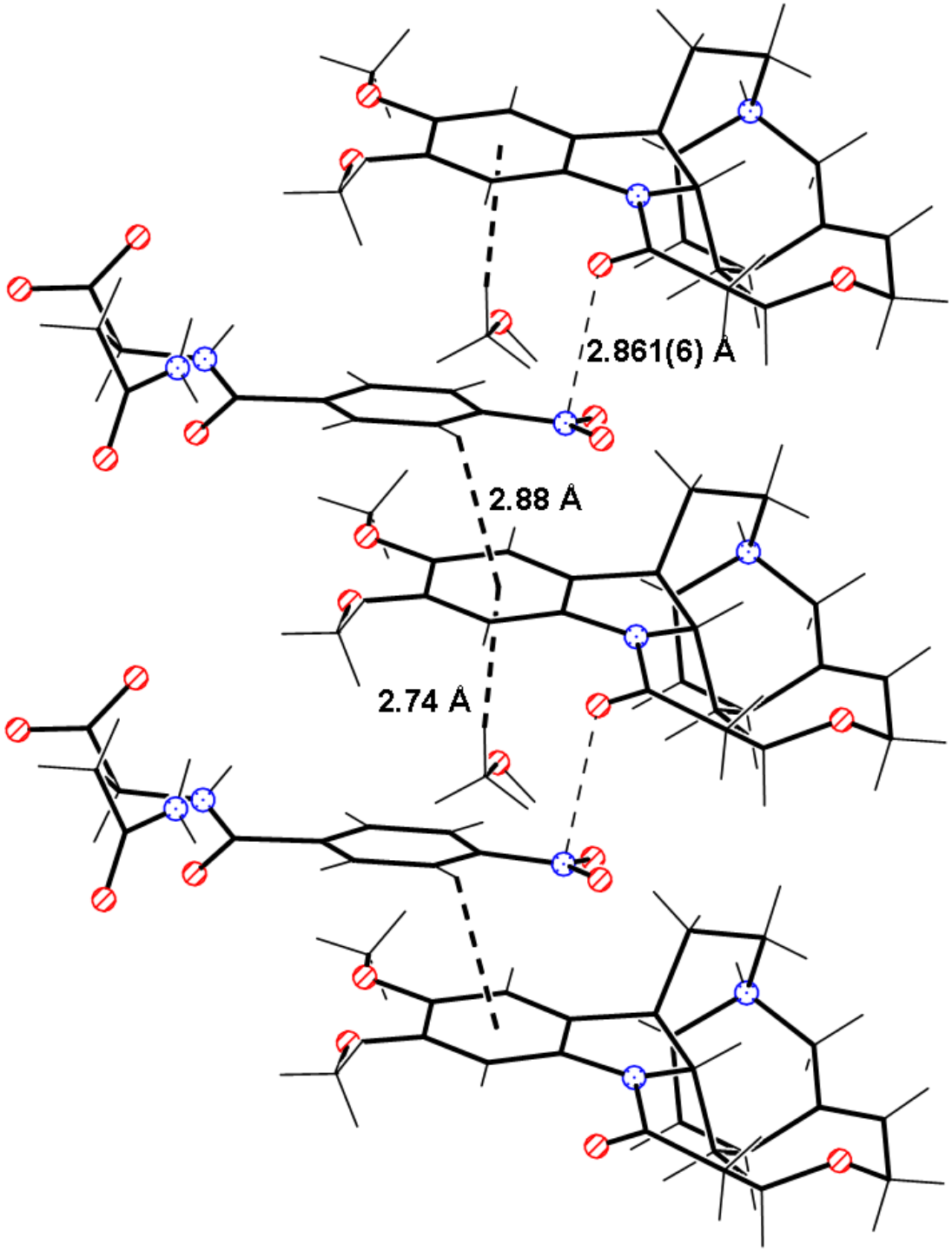


Fig. S3 C-H...□ hydrogen bonds and N…O interactions in 2. Geometry of the C-H…□ hydrogen bond (Cp1 – centroid of brucinium arene ring): C35-H35 = 0.98 Å, H35A…Cp1 = 2.74 Å, C31…Cp1 = 3.712(5) Å, C35-H35A…Cp1 = 174 º, offset = 0.23 Å; C31-H31 = 0.95 Å, H31…Cp1(1.5-x, 1-y, 0.5+z) = 2.88 Å, C31…Cp1(1.5-x, 1-y, 0.5+z) = 3.558(4) Å, C31-H31…Cp1(1.5-x, 1-y, 0.5+z) = 129 º, offset = 0.91