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Synthesis and Crystal Structures of new Complex Salts Containing both Cationic and Anionic Tellurium(IV) Species: The Role of Secondary Bonds in the Arrangement of Tellurium Based Tectons

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The NMR spectral data were obtained in a Varian Mercury Plus 7.05 T spectrometer with 300.07 MHz (^{1}H) and 94.74 MHz (^{125}Te). The samples were dissolved in a 9:1 mixture of acetone-d_6 and DMSO-d_6, respectively. The solutions were measured in NMR tubes of 5 mm, at 300 K. The ^{1}H NMR chemical shifts are relative to $Si(CH_3)_4$ as internal reference. The ^{125}Te NMR spectra were taken with reference to $Te(CH_3)_2$. A capillary containing $Te_2(C_6H_5)_2$ dissolved in $CDCl_3$ (δ 450) was used as external reference. By convention, the chemical shift is positive when the resonance occurs at higher frequency than that of the reference.

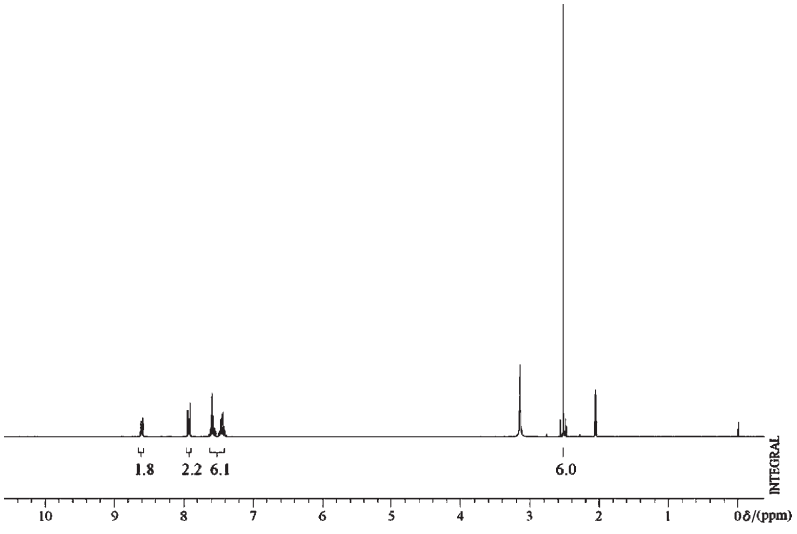

Figure S1. ^{1}H NMR spectrum of the compound **1**.

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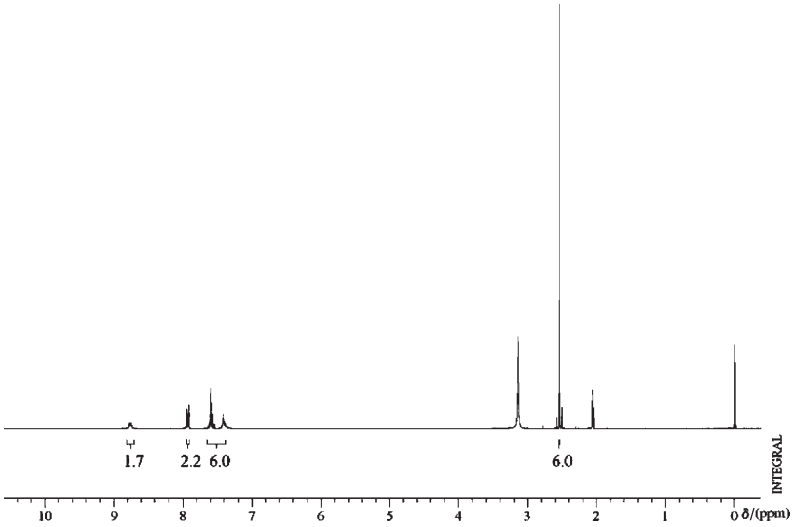

Figure S2. ^{1}H NMR spectrum of the compound **2**.

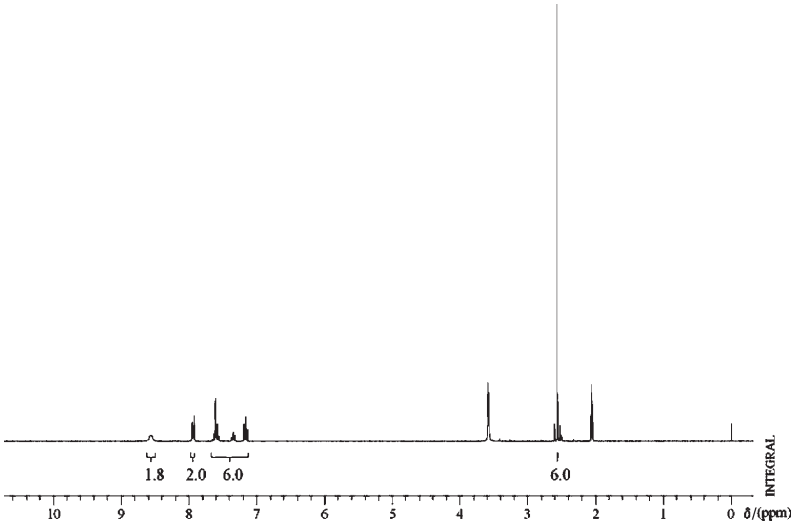

Figure S3. ^{1}H NMR spectrum of the compound **3**.

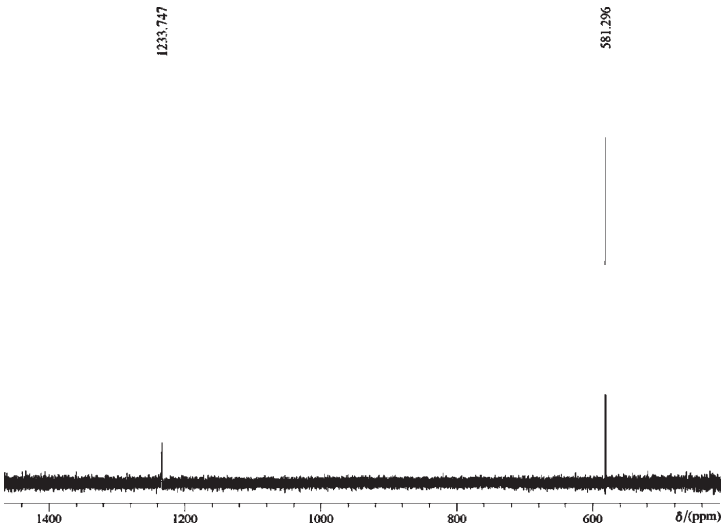

Figure S4. ^{125}Te NMR spectrum of the compound **1**.

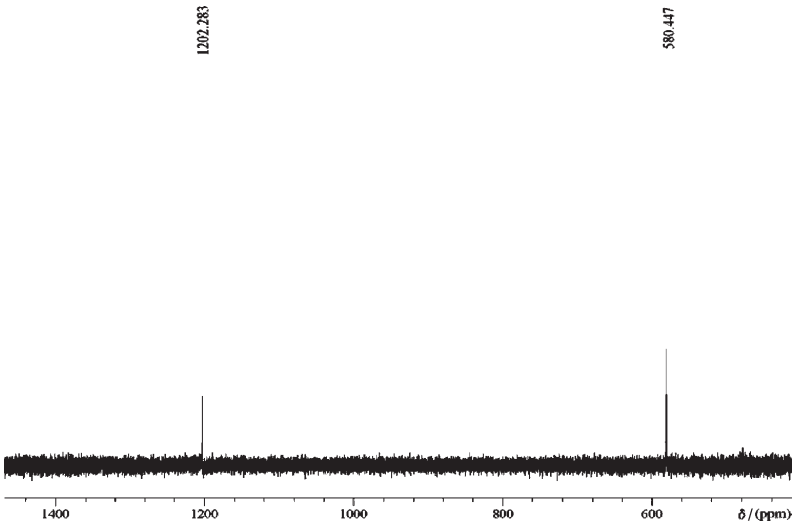

Figure S5. ^{125}Te NMR spectrum of the compound **2**.

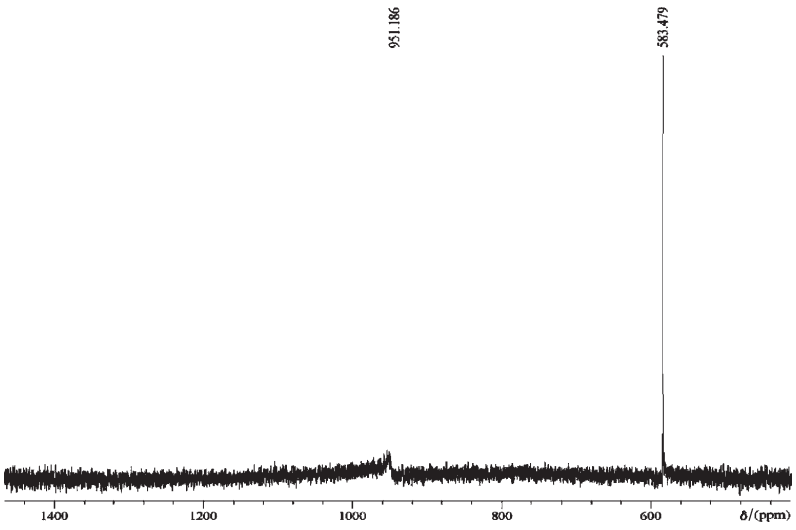

Figure S6. ^{125}Te NMR spectrum of the compound **3**.