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Synthesis, structure, and phase transition of a novel proton transfer in a supramolecular cation with 2-nitroanilinium based on 18-crown-6

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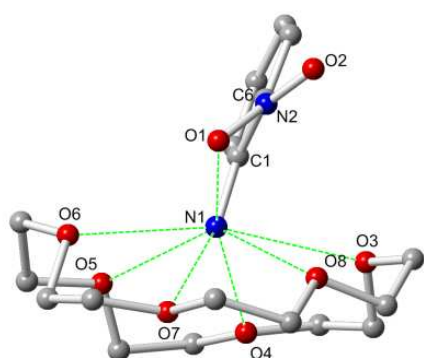
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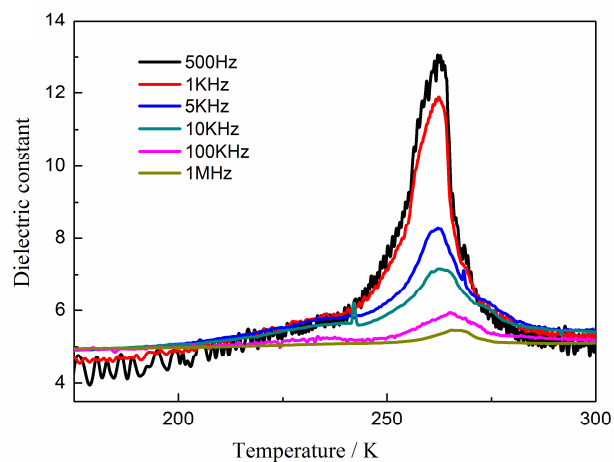
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a) View of the nitrogen (N1) atom of the $-\text{NH}_3^+$ group can associate with neighboring oxygen atoms O1 and O7 through intramolecular hydrogen bonds $\text{N1-H}\cdots\text{O1}$ and intermolecular hydrogen bonds $\text{N1-H}\cdots\text{O7}$; b) Dielectric constants of complex **1** measured at frequencies of 500 Hz to 1 MHz from 100 K to 296 K.

(a)



(b)



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