

INTERACTION OF DIMETHYLIMIDAZOLIUM
CHLORIDE WITH WATER MOLECULE
AT $T = 400$ K

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S u m m a r y

The work presents data on the structure and the energy characteristics in the case of the interaction of a water molecule with dimethylimidazolium chloride ($\text{dmim}^+/\text{CL}^-$) at the temperature $T = 400$ K calculated using the molecular dynamics method. We established the existence of hydrogen bonds between a water molecule and molecules of dimethylimidazolium (dmim^+) and chlorine (CL^-) and determined the orientation position of the water molecule with respect to those of chlorine and dimethylimidazolium.