



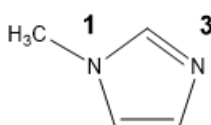
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Which of the following statements is true regarding the basicity of N-methylimidazole?



- ☐ (A) It is protonated on N-1 because the resulting cation retains aromaticity.
- ☐ (B) It is protonated on N-3 because the resulting cation retains aromaticity.
- ☐ (C) Protonation on either N atom forms a cation that retains aromaticity.
- ☐ (D) N-methylimidazole is not basic because protonation on either N atom destroys aromaticity.
- ☐ (E) N-methylimidazole is most readily protonated on a carbon atom, which forms a cation that retains aromaticity.

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