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Title: Electrochemical, spectroscopic, and theoretical studies on the interaction between azathioprine and DNA

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#### Highlights:

- The interaction between azathioprine (AZT) and ct-DNA was investigated by different spectroscopic, electrochemical and molecular docking methods.
- AZT binds to DNA via minor grooves.
- Binding constants and the number of binding sites were calculated.
- Electrostatic interactions were suggested to be the main forces involved.
- The interaction was enthalpy and entropy driven.

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