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| **ABSTRACT**  Two novel Schiff bases derived from heterocyclic amines and aldehydes were synthesized and evaluated as corrosion inhibitors for mild steel in 1MH2SO4 by mass loss and electrochemical techniques. Inorder to understand the mechanism of inhibition, adsorption isotherms were tested. The studies showed that the inhibition efficiency depends on concentration of inhibitor and temperature of measurements. Electrochemical studies showed that the inhibitors behave as mixed type. Quantum chemical studies were used to substantiate the experimental results. |  |