**Abstract**

Electrochemical impedance spectroscopy (EIS) and potentiodynamic polarizationmeasurements were used to examine the inhibition effect of drug Pregabalin (PGB) on thecorrosion of mild steel in 1M HCl and 0.5M H2SO4 solution. EIS results indicate that thestudied compound inhibit the acid corrosion by adsorption mechanism. Potentiodynamicpolarization measurement suggest that the inhibitor system act as a mixed type by affectingboth anodic and cathodictafel slopes during the acid corrosion of both the studied medium.Quantum chemical studies are in accordance with the experimental values.