Suppl.

Fig. S.1. Frumkin adsorption isotherm curve (ln (Ө/ (C (1- Ө))) vs. Ө) obtained from polarization data for the synthesized inhibitor (PTEAA.10).
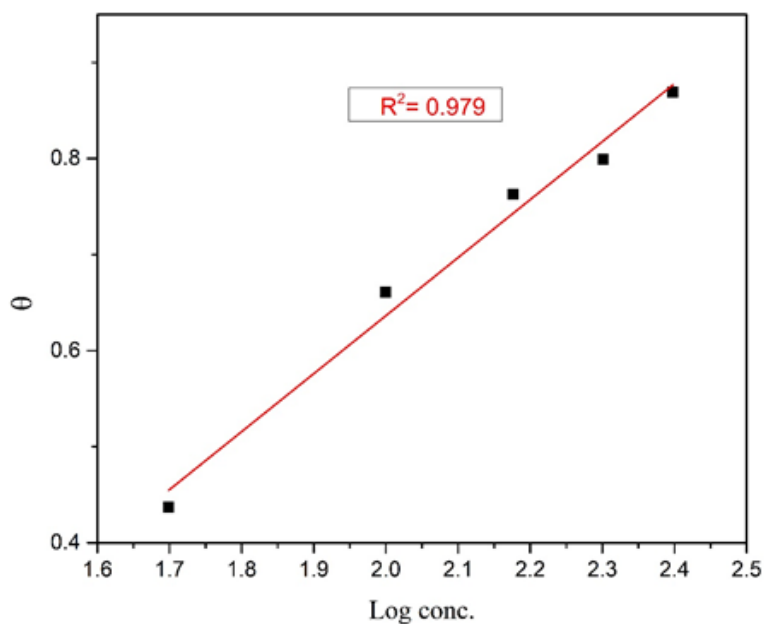

Fig. S.2. Temkin adsorption isotherm curve (Ө vs. log C) obtained from polarization data for the synthesized inhibitor (PTEAA.10).

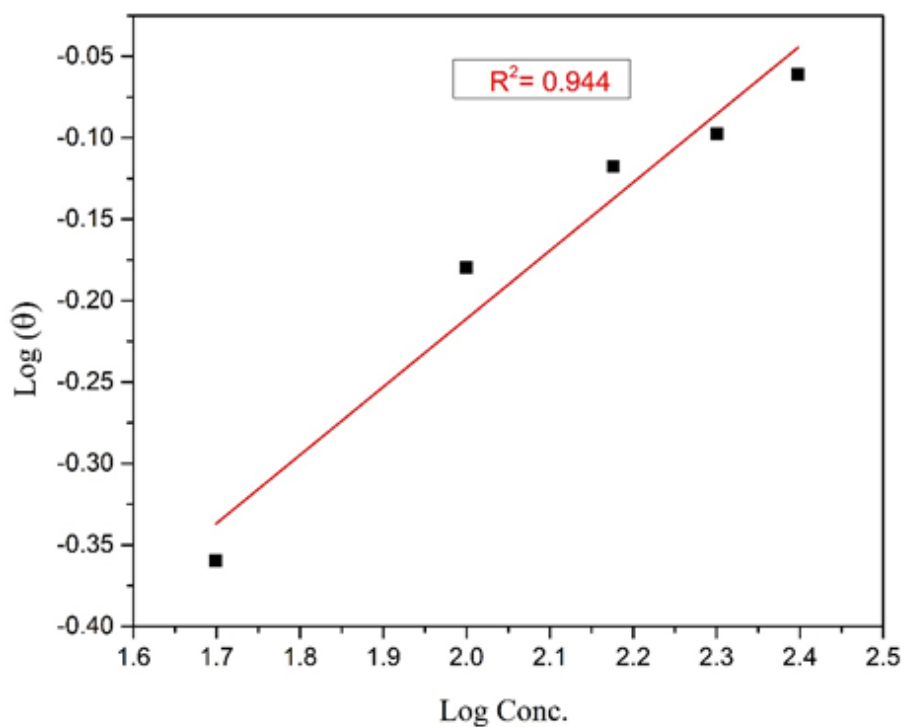**Fig. S.3. Freundlich adsorption isotherm curve (log Θ vs. log C) obtained from polarization data for the synthesized inhibitor (PTEAA.10).**

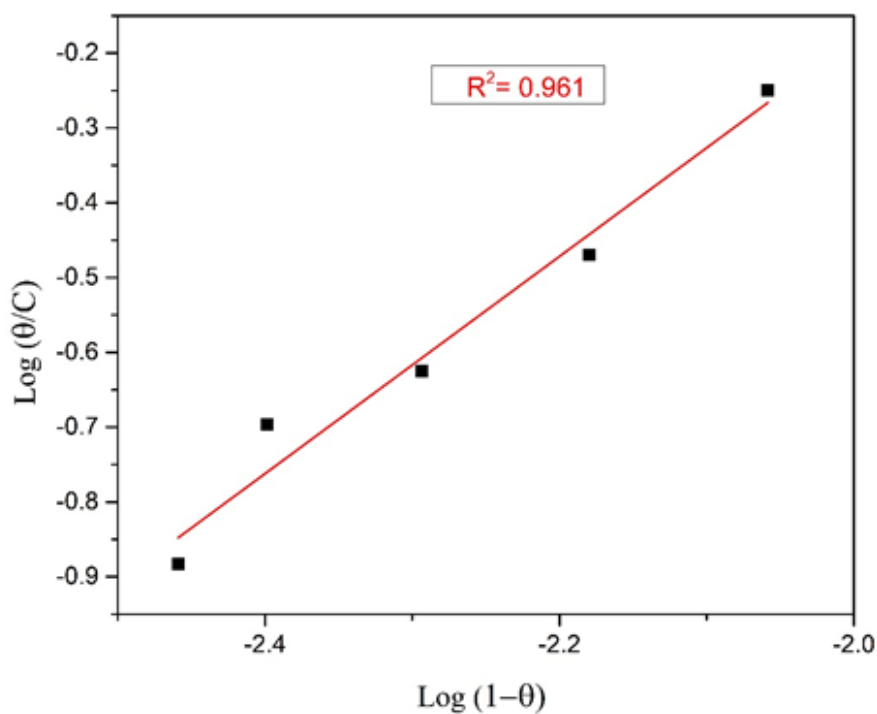**Fig. S.4. Flory–Huggins adsorption isotherm curve (log (Θ/C) vs. log (1- Θ)) obtained from polarization data for the synthesized inhibitor (PTEAA.10).**