$$DBP+H^{+}⇄\left[DBPH\right]^{+}$$

$\left[DBP\right]$$ \left[DBPH\right]^{+} \left[DBP\right]$$ \left[DBP\right]$

Ion Cu2+

Copper surface

Ion $ NO\_{3}^{-}$

Chemical adsorption

Interaction between species