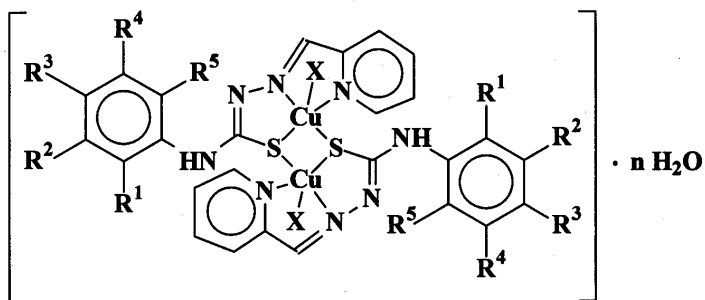


1. Compuși coordinativi ai cuprului cu 4-(dimetilfenil)-tiosemicarbazonele 2-formilpiridinei cu formula generală:



I – VI

I : $R^1 = R^5 = \text{CH}_3$; $R^2 = R^3 = R^4 = \text{H}$; $X = \text{Cl}$; $n = 4$.

II : $R^1 = R^5 = \text{CH}_3$; $R^2 = R^3 = R^4 = \text{H}$; $X = \text{NO}_3$; $n = 4$.

III : $R^1 = R^4 = \text{CH}_3$; $R^2 = R^3 = R^5 = \text{H}$; $X = \text{Cl}$; $n = 2$.

IV : $R^1 = R^4 = \text{CH}_3$; $R^2 = R^3 = R^5 = \text{H}$; $X = \text{NO}_3$; $n = 4$.

V : $R^2 = R^3 = \text{CH}_3$; $R^1 = R^4 = R^5 = \text{H}$; $X = \text{NO}_3$; $n = 4$.

VI : $R^1 = R^3 = \text{CH}_3$; $R^2 = R^4 = R^5 = \text{H}$; $X = \text{NO}_3$; $n = 4$.

2. Compuși coordinativi, conform revendicării 1, care manifestă activitate antimicrobiană.