

Supporting Information for

‘Highly selective silver ion optical chemosensor based on isoxazoly-azo pyrimidine: Synthesis, Spectroscopy, DFT calculations and applications’

Sobhan Asadpour Chounechenan, Asadollah Mohammadi*, Behzad Khalili

Department of Chemistry, Faculty of Sciences, University of Guilan, Rasht, Iran

E-mail: a_mohammadi@guilan.ac.ir

Figure captions

Figure S1. FT-IR spectrum of PICS

Figure S2. ^1H NMR spectrum of PICS.

Figure S3. ^{13}C NMR spectrum of PICS.

Figure S4. (a) Job's plot diagram for PICS- Ag^+ complexation, (b) Plot of $1/(A-A_0)$ versus the $1/[\text{Ag}^+]$ to estimate the bonding constant.

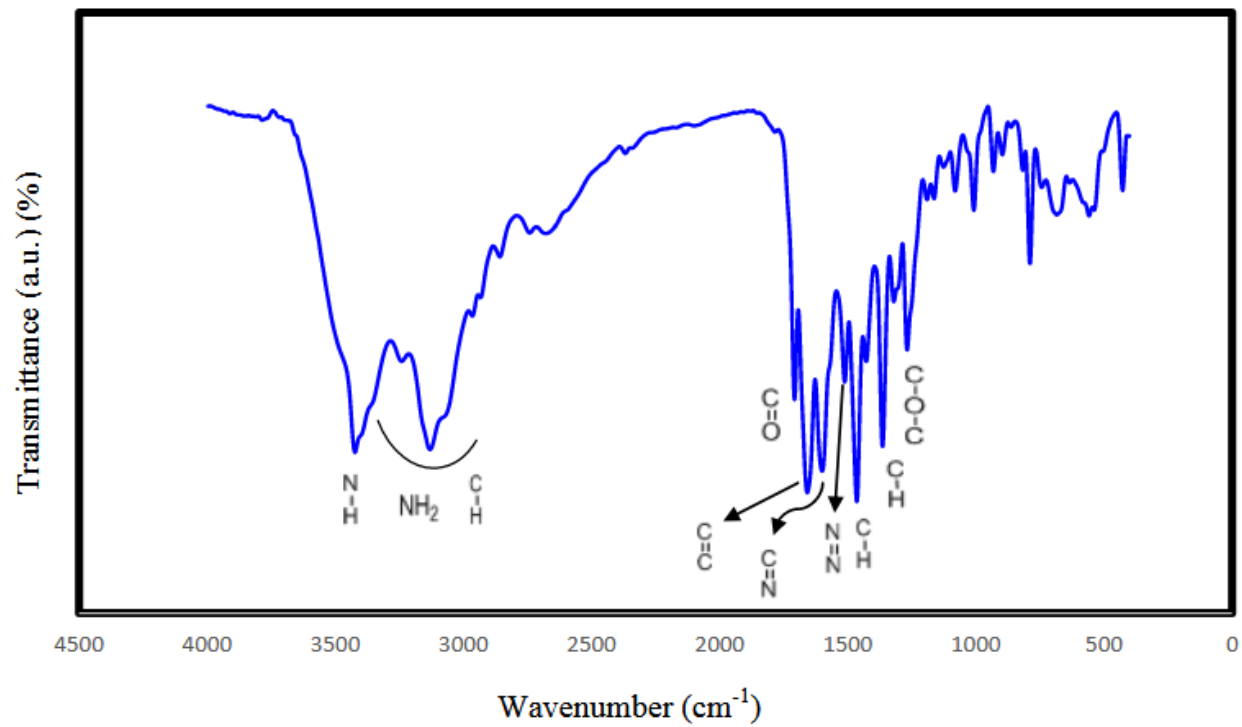


Figure S1. FT-IR spectrum of PICS

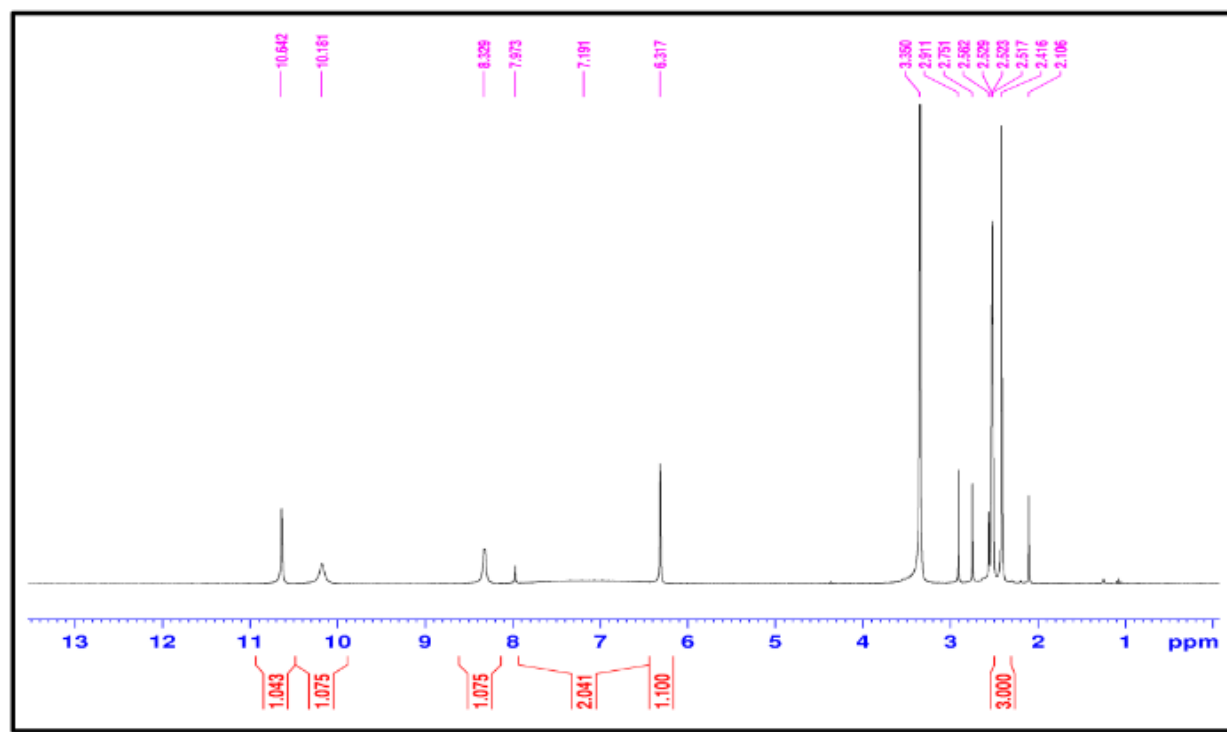


Figure S2. ^1H NMR spectrum of PICS.

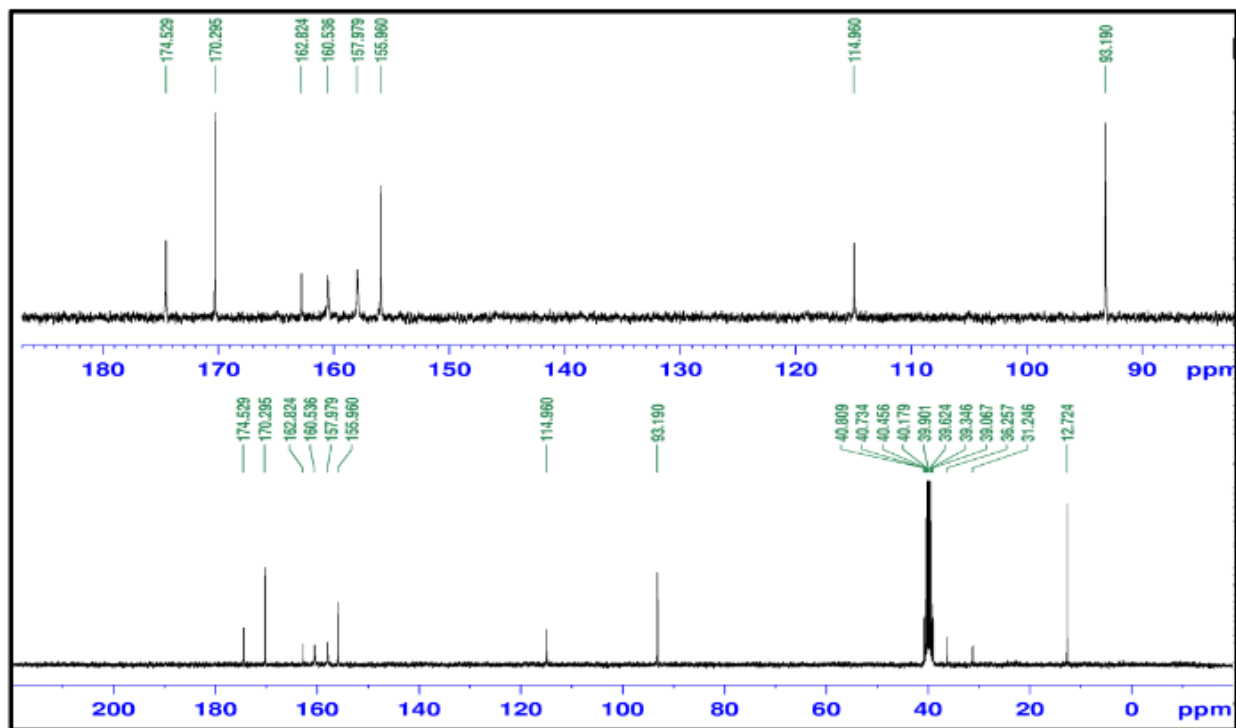
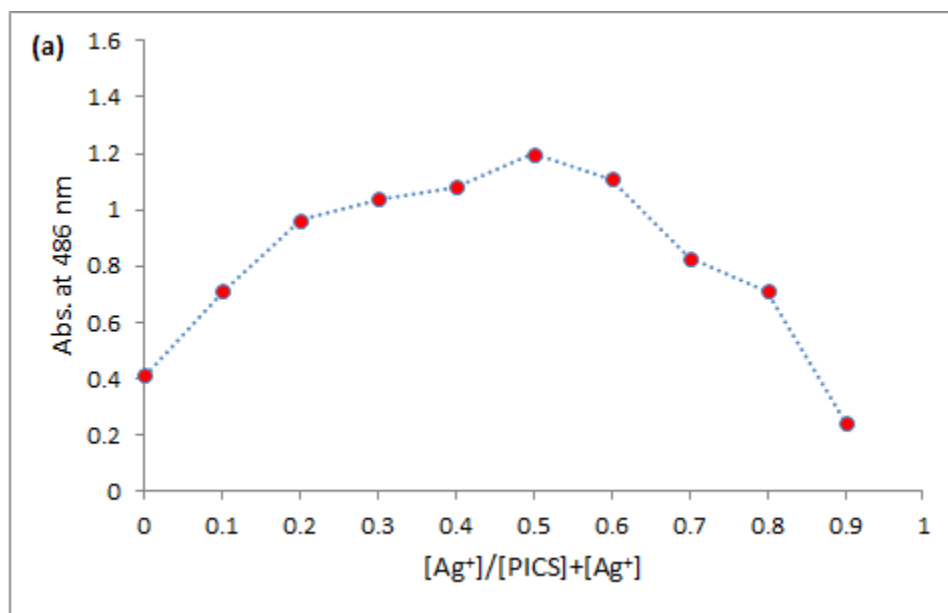


Figure S3. ^{13}C NMR spectrum of PICS.



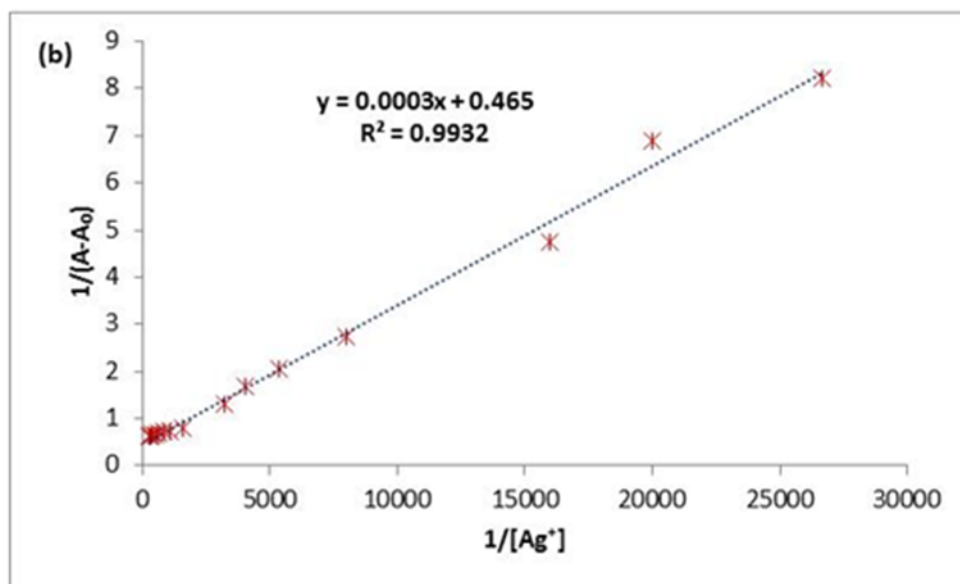


Figure S4. (a) Job's plot diagram for PICS- Ag^+ complexation, (b) Plot of $1/(A-A_0)$ versus the $1/[Ag^+]$ to estimate the bonding constant.