Abstract Book

Study of Triazolyl Purine Derivatives as Sensors for Metal Ions

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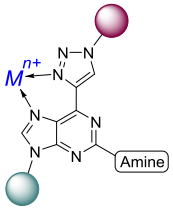
Fluorescent purine derivatives can be used as metal ion sensors in analytical applications.[1] In this work, we synthesized 2-piperidinyl-6-triazolyl purine derivatives, performed their spectrophotometric and NMR titration experiments with Ca^{2+}, Mg^{2+}, Cu^{2+}, Fe^{2+}, Zn^{2+}, Pb^{2+} and Hg^{2+} ions, and determined possible complexation sites and equivalency points of these complexes.



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References

1. Jovaisaite, J.; Cīrule, D.; Jeminejs, A.; Novosjolova, I.; Turks, M.; Baronas, P.; Komskis, R.; Tumkevicius, S.; Jonusauskas, G.; Jursenas, S. *Phys. Chem. Chem. Phys*. **2020**, 22, 26502.