

## **Abstract**

Ligand NOTP<sup>OEt</sup> was synthesized. Protonation constants and stability constants of Cu(II), Zn(II), Ni(II) and Ga(III) complexes were determined by potentiometric titrations. Cu(II) complex was characterized by UV-VIS spectroscopy and formation of Ga(III) complex was studied by NMR spectroscopy.

The work was aimed at characterisation of the ligand with respect to potential application in biomedical imaging techniques.