

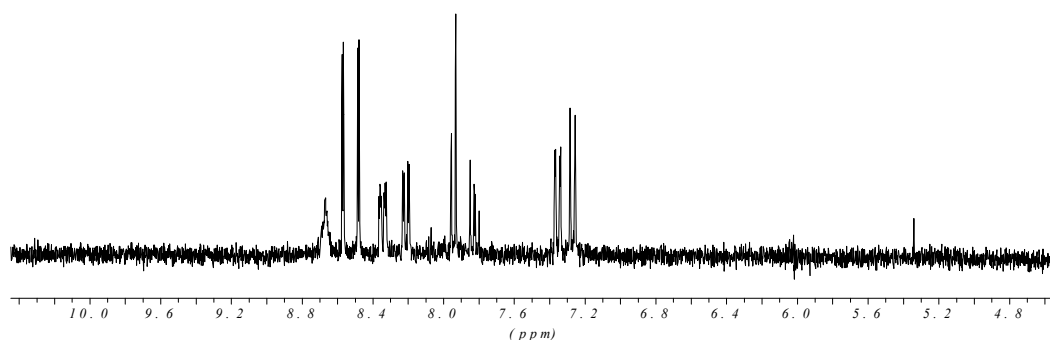
Supplementary material

Colorimetric sensing of anions by a neutral biphenyl based amide receptor

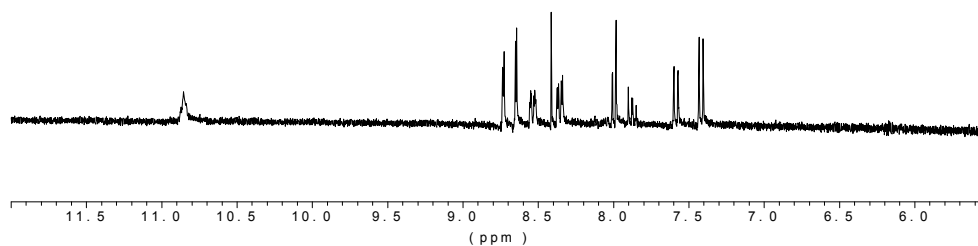
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Valencia. Spain*

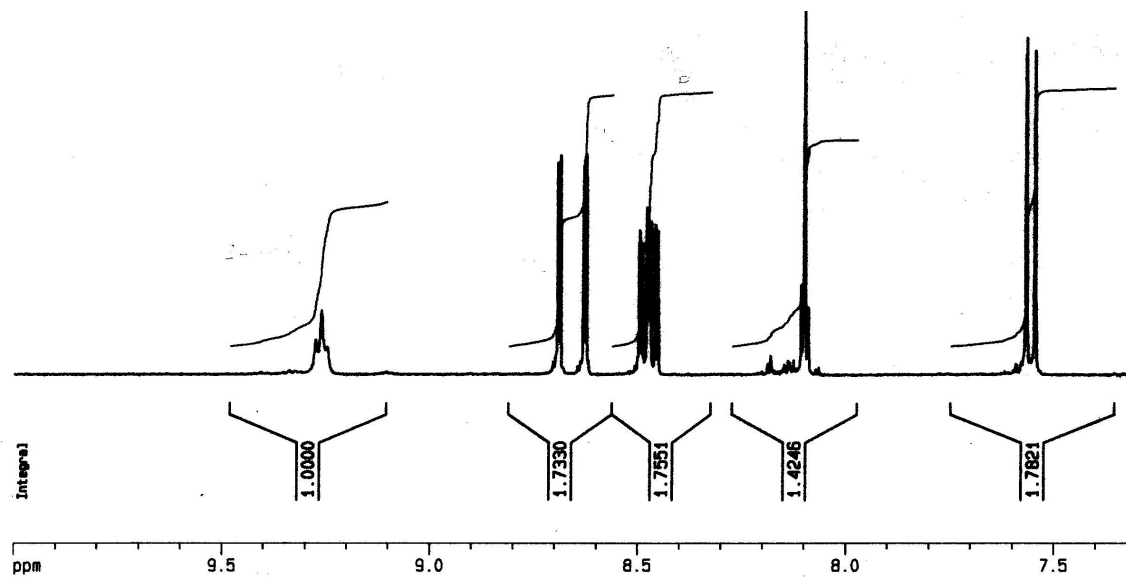
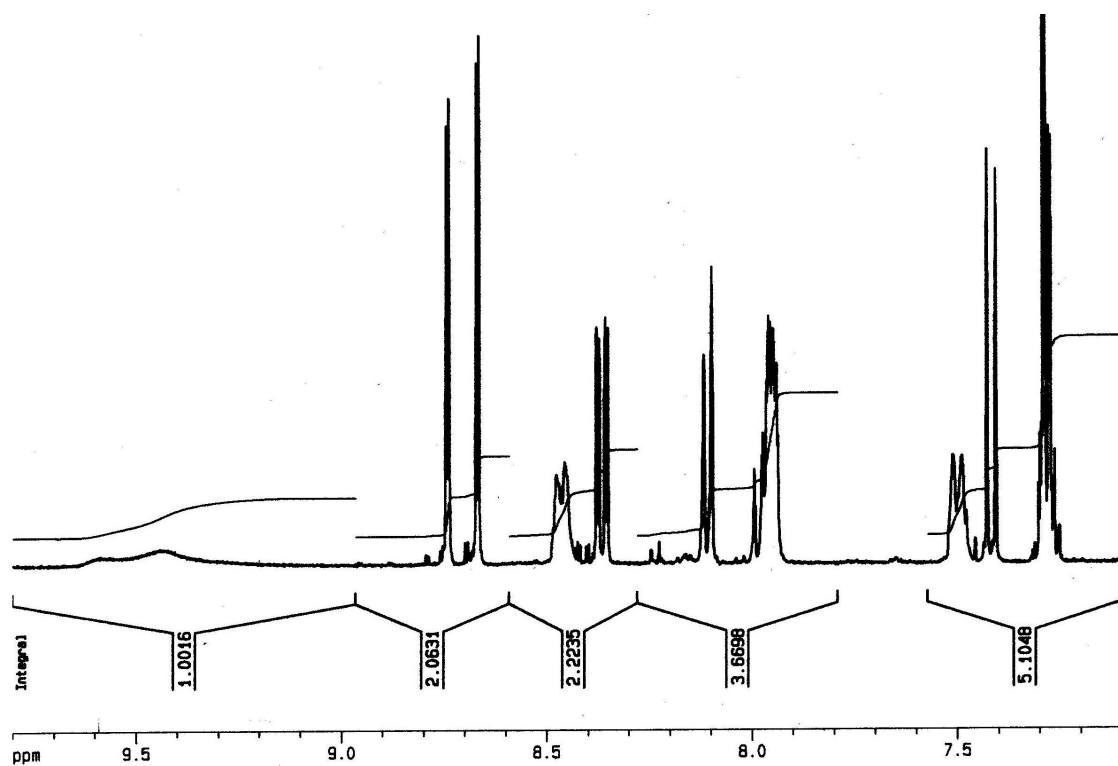
E-mail: Ana.Costero@uv.es

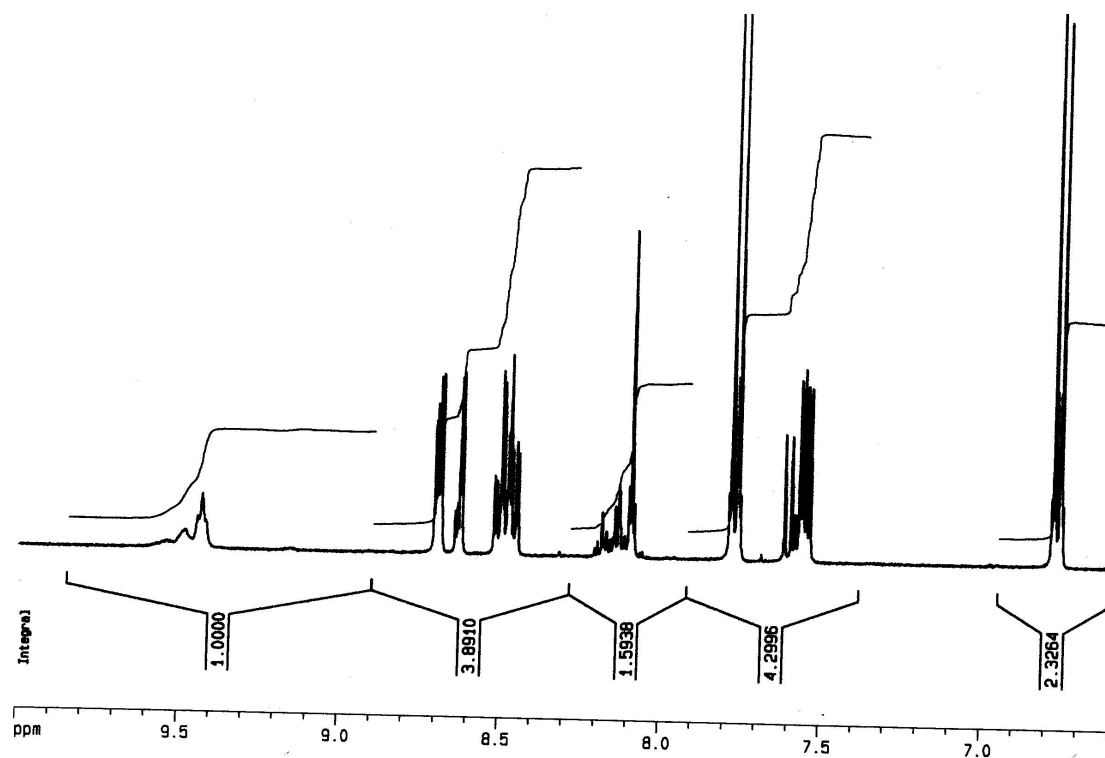
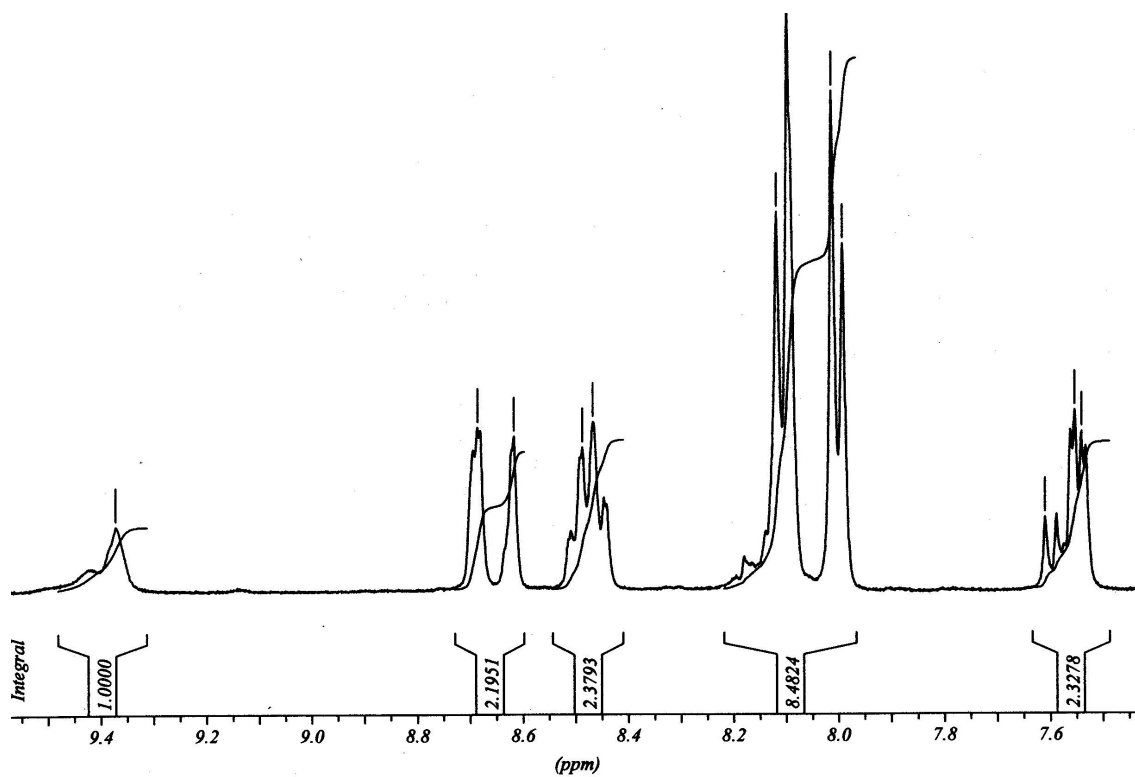


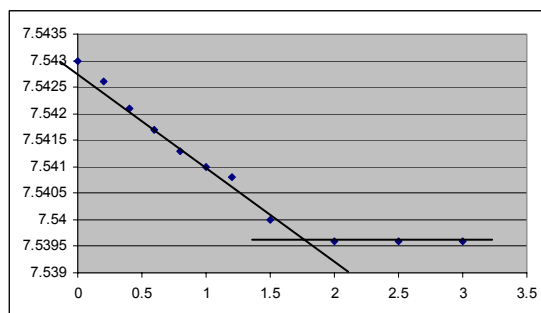
Aromatic zone of the ¹H NMR spectrum of ligand **1** + TBAI (in d₆-DMSO)



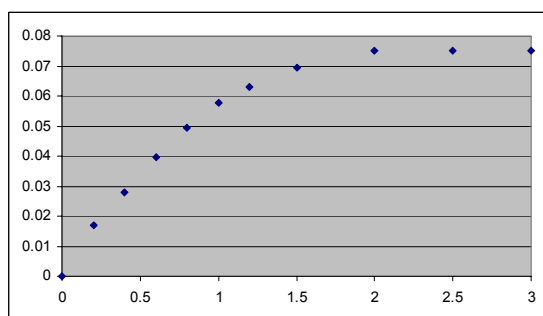
Aromatic zone of the ¹H NMR spectrum of ligand **1** + TBAAcO (in DC₃CN)

Aromatic zone of the ^1H NMR spectrum of ligand **1** (in $\text{d}_6\text{-DMSO}$)Aromatic zone of the ^1H NMR spectrum of ligand **1** + TBAbenzoate (in DC_3CN)

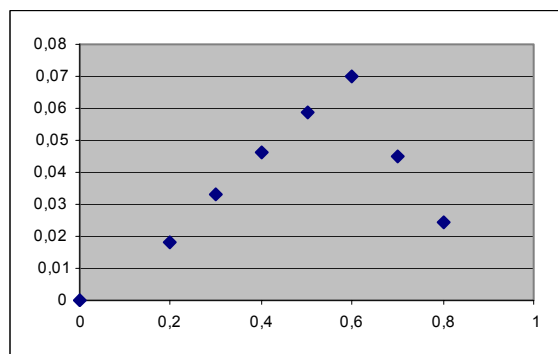
Aromatic zone of the ¹H NMR spectrum of ligand **1** + TBA 4-methoxybenzoate (in d₆-DMSO)Aromatic zone of the ¹H NMR spectrum of ligand **1** + TBA 4-nitrobenzoate (in d₆-DMSO)



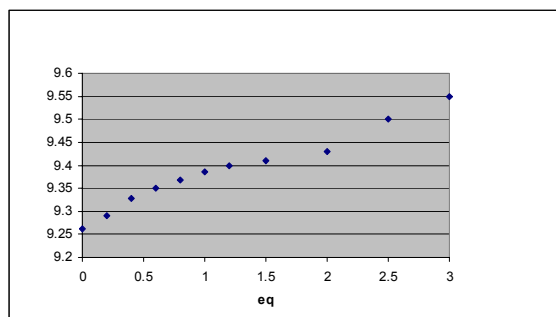
Stoichiometry for the complex formed between ligand **1** and tetrabutylammonium bromide in CD_3CN (determined by molar ratio titration using ^1H NMR)



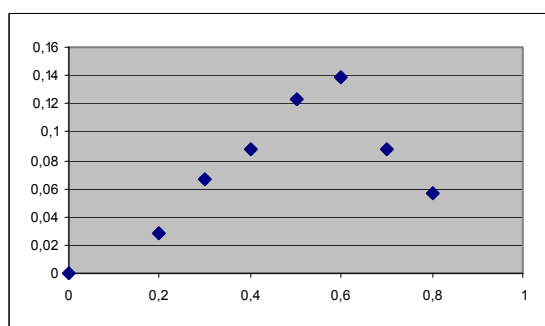
Stoichiometry for the complex formed between ligand **1** and tetrabutylammonium 4-nitrobenzoate in $\text{d}_6\text{-DMSO}$ (determined by molar ratio titration using ^1H NMR)



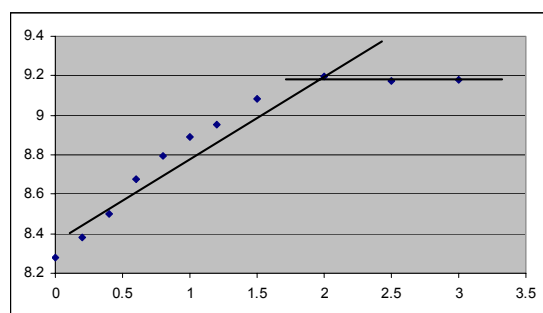
Stoichiometry for the complex formed between ligand **1** and tetrabutylammonium 4-nitrobenzoate in $\text{d}_6\text{-DMSO}$ (Job plot using ^1H NMR)



Stoichiometry for the complex formed between ligand **1** and tetrabutylammonium 4-methoxybenzoate in d_6 -DMSO (determined by molar ratio titration using ^1H NMR)



Stoichiometry for the complex formed between ligand **1** and tetrabutylammonium 4-nitrobenzoate in d_6 -DMSO (Job plot using ^1H NMR)



Stoichiometry for the complex formed between ligand **1** and tetrabutylammonium 4-acetate in CD_3CN (determined by molar ratio titration using ^1H NMR)