**Supplementary Materials for**

**p*H*-Dependent Receptor Based on Dithiaporphyrins for Selective Binding of Perchlorate Ions**

Sergey A. Syrbua,b@,Yulia B. Ivanova,a Svetlana G. Pukhovskaya,b Kiselev A.N.,a,b Anna О. Plotnikova,b Nadezhda A. Torshininaa,b

aG.A. Krestov Institute of Solution Chemistry of the Russian Academy of Sciences, 150045, Ivanovo, Russia.

bIvanovo State University of Chemistry and Technology, 153000, Ivanovo, Russia.

@*Corresponding author E-mail: sasyrby@gmail.com*

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**Figure S1.** Changes in the UV-vis spectra (А, B, C, D) and spectrophotometric titration curves (F,G) (λ 430 nm and 465 nm) (В) for (p-Br)4 PS2 in the АN – HClO4 system, (*C*porph = 8.93·10-6 mol/L; CHClO4= 0÷8.04·10-2 mol/L), 298 K.

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**Figure S2.** Changes in the UV-vis spectra (А,B,C,D) and spectrophotometric titration curves (F,G) (λ 438 nm and 470 nm) (В) for (β-Br)4PS2 in the АN – HClO4 system, (*C*porph = 9.93·10-6 mol/L; *C*HClO4= 0÷0.1 mol/L), 298 K.

 

(A) (B)

**Figure S3.** Distribution of concentrations of molecular, mono- and double-protonated forms of compound **I** (A) and **II** (B) during the titration in the HClO4 -CH3CN system.

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| (A**)** | (B) |

**Figure S4.** Changes in the UV-vis spectra during the titration of solutions of porphyrins **I** (A**)** and **II** (B) by the acetonitrile solution (C2H5N)4ClO4 (0.01 mol/L) at р*Н* ~ 5.