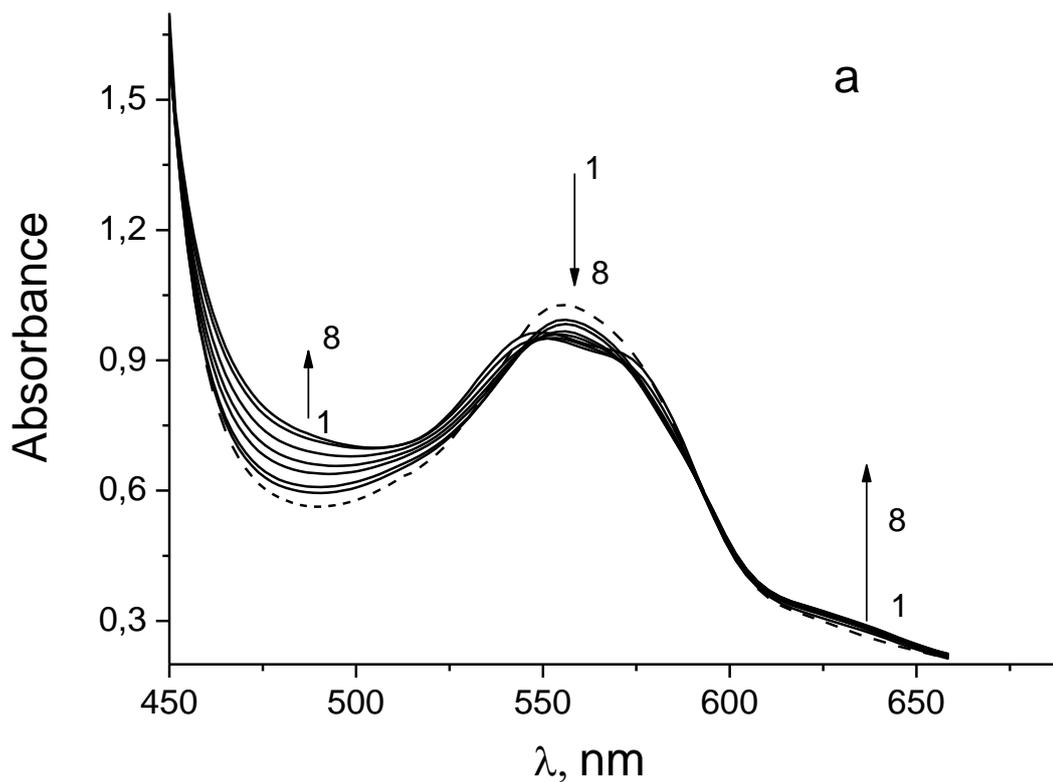


Supplementary data.

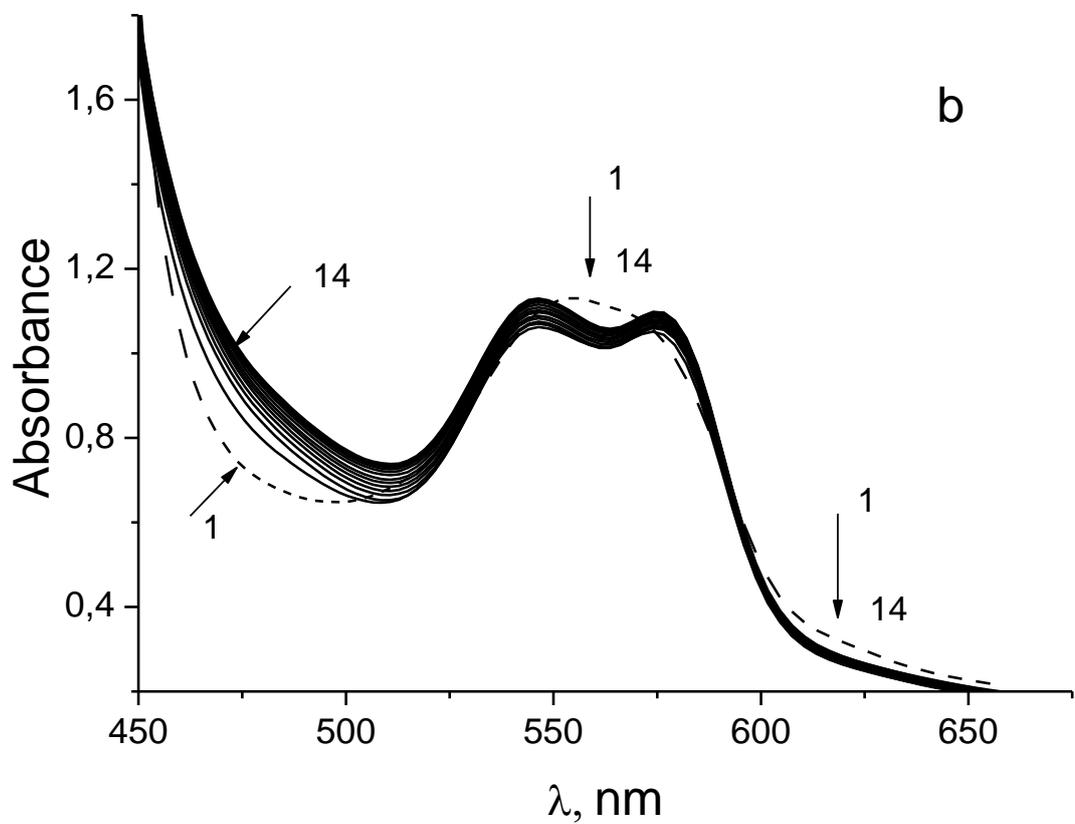
Kinetics of change of difference spectra at the interaction of **(I)** and **(II)** with Hb.

(I) complex $[\text{Fe}_2(\text{SC}_5\text{H}_{11}\text{NO}_2)_2(\text{NO})_4]\text{SO}_4 \cdot 5\text{H}_2\text{O}$

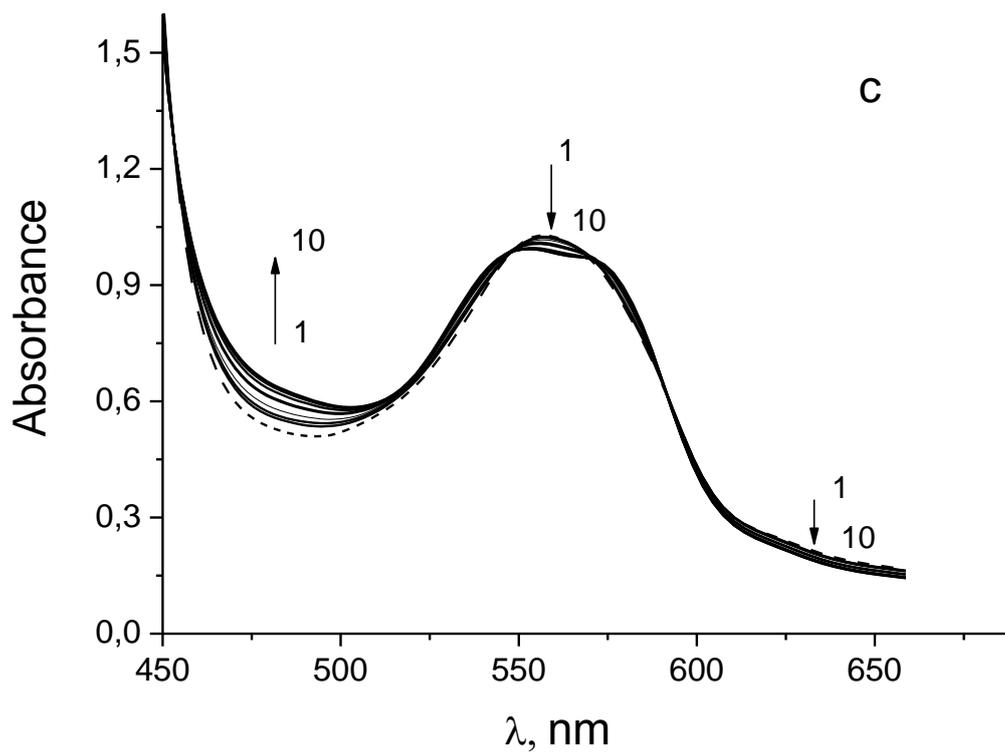


(II) complex $[\text{Fe}_2(\text{SC}_{10}\text{H}_{17}\text{N}_3\text{O}_6)_2(\text{NO})_4]\text{SO}_4 \cdot 2\text{H}_2\text{O}$

a) Kinetics of change of difference spectra at the interaction of **(II)** ($1.5 \cdot 10^{-4}$ M) with Hb ($2 \cdot 10^{-5}$ M). Dotted line (1) is spectrum of Hb. Spectra 2-8 were registered at 0.5 (2), 1 (3), 3 (4), 5 (5), 7 (6), 9 (7), 11(8) h after start of reaction. Conditions of reaction: 25 °C, solvent is 0.05 M Tris-HCl buffer, pH 7.0.



b) Kinetics of change of difference spectra at the interaction of (I) ($1.5 \cdot 10^{-4}$ M) with Hb ($2 \cdot 10^{-5}$ M). Dotted line (1) is the spectrum of Hb. Spectra 2-14 were registered at 0.05 (2), 0.16 (3), 0.33 (4), 0.5 (5), 0.66 (6), 0.8 (7), 1 (8), 1.25 (9), 1.5 (10), 1.75 (11) 2 (12), 2.23 (13) и 2.5 (14) h after start of reaction. Conditions of reaction: 25 °C, solvent is 0.05 M Tris-HCl buffer, pH 7.0



c) Kinetics of change of difference spectra at the interaction of **(1)** ($1.5 \cdot 10^{-4}$ M) with GSH (10^{-3} M) in Hb ($2 \cdot 10^{-5}$ M) presence. Dotted line (1) is the spectrum of Hb. Spectra 2-10 were registered at 0.01 (2), 0.16 (3), 0.3 (4), 1.4 (5), 2 (6), 3 (7), 4 (8), 4.5 (9), 5 (10) h after start of reaction. Conditions of reaction: 25 °C, solvent is 0.05 M Tris-HCl buffer, pH 7.0.