SUPPORTING INFORMATION

**Figure S1.** Partial view of $^1$H-NMR spectrum of a solution of complex 2b (1 mM) in 50 mM phosphate buffer (in D$_2$O, pH 7.40) and d$_6$-DMSO (A), and after 3 h (B) and 10 days (C) of storage at 298 K.

**Figure S2.** Partial view (aromatic-imine region) of $^1$H-NMR spectrum of a solution of complex 2c (1 mM) in 50 mM phosphate buffer (in D$_2$O, pH 7.40) and d$_6$-DMSO (A), and after 24 h (B) and 72 h (C) of storage at 298 K.

**Figure S3.** Partial view of $^1$H-NMR spectrum of a solution of complex 2b (1 mM) in 50 mM phosphate buffer (in D$_2$O, pH 7.40) and d$_6$-DMSO containing 25 mM ascorbic acid (A), and after 3 h (B) and 10 days (C) of storage at 298 K.

**Figure S4.** Partial view (aromatic-imine region) of $^1$H-NMR spectrum of a solution of complex 2c (1 mM) in 50 mM phosphate buffer (in D$_2$O, pH 7.40) and d$_6$-DMSO containing 25 mM ascorbic acid (A), and after 24 h (B) and 72 h (C) of storage at 298 K.
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