

SUPPORTING INFORMATION

for

Chemistry of the Diazeniumdiolates. 2. Kinetics and Mechanism of Dissociation to
Nitric Oxide in Aqueous Solution

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Figure A. Plots of k_{obs} versus $[\text{H}^+]$ for **2** (●) and **3** (■) in 0.10 M phosphate buffer at 37 °C.

Figure B. $[\text{H}^+]$ dependence of first-order rate constant for dissociation of **4** in 0.10 M phosphate buffer at 37 °C.

Figure C. Plot of $1/k_{\text{obs}}$ versus $[\text{Fe}^{3+}]$ for 0.10 mM **5** in 0.10 M phosphate buffer at pH 7.4 and 37 °C.

Figure D. pH dependence of first-order rate constants for the dissociation of **6** at low pH in acetate and glycine buffers at 37 °C.

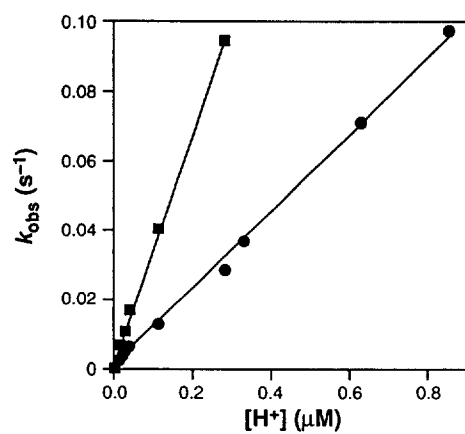


Figure A

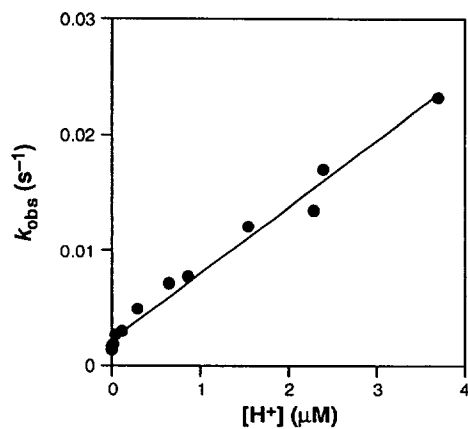


Figure B

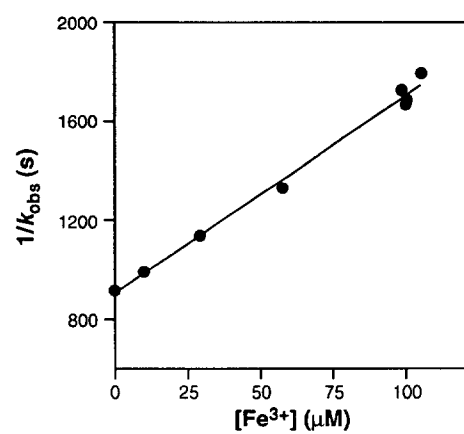


Figure C

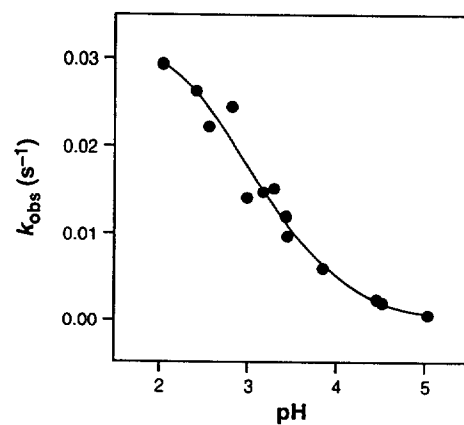


Figure D