Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry.

Nitric Oxide Release From a Cucurbituril Encapsulated NO-Donor

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Supporting Information Section

1. MP nitrosation equilibrium constants in the presence of CB7.
2. NO evolution from SNO^+ decomposition in bulk water.
3. NO evolution from SNO^+ decomposition in the presence of 2 mM of CB7.
4. NO evolution from $NaNO_2$ decomposition in bulk water.
5. NO evolution from $NaNO_2$ decomposition in the presence of 2 mM of CB7.

1. MP nitrosation equilibrium constants in the presence of CB7

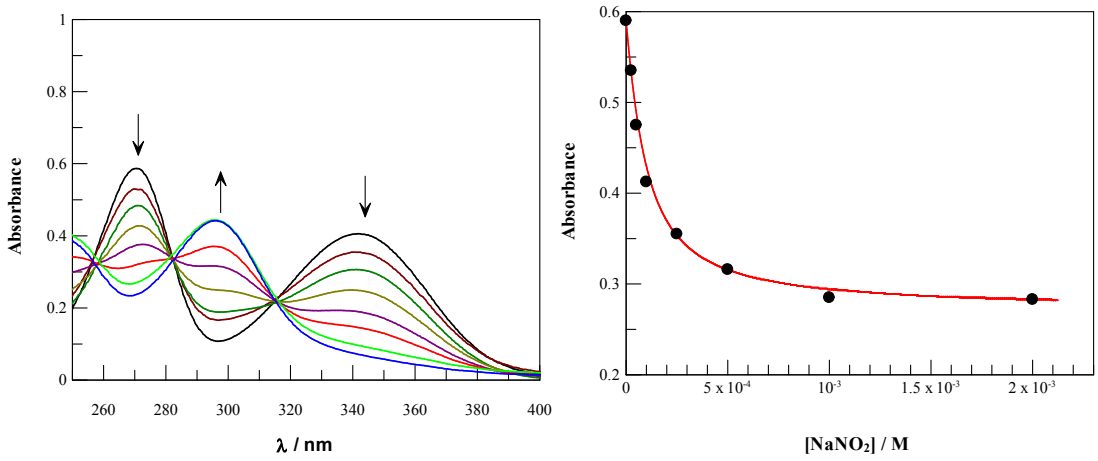

Figure S-1. Spectroscopic determination of MP nitrosation equilibrium constant at 25ºC. [MP]=5x10^{-5}M; [$HClO_4$]=0.10M; [NaBr]=2.5x10^{-3}M; [CB7]=0M.

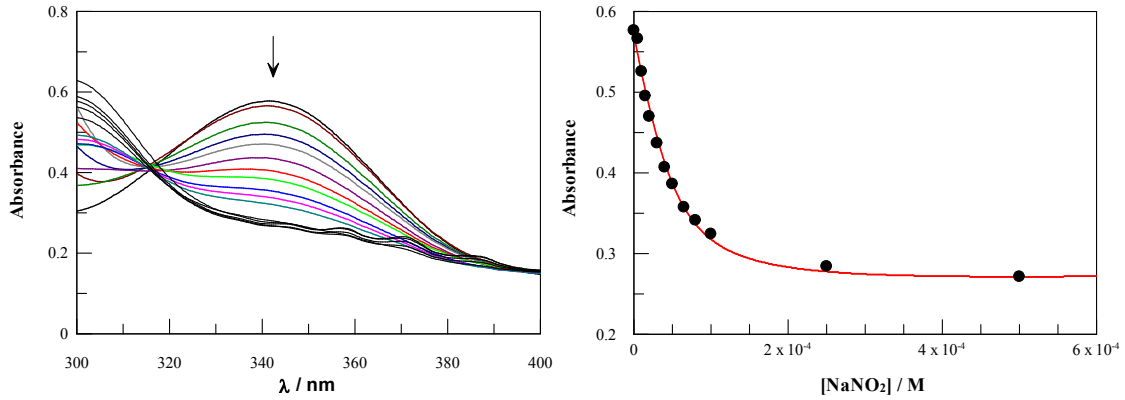

Figure S-2. Spectroscopic determination of MP nitrosation equilibrium constant at 25ºC. [MP]=5x10^{-5}M; [$HClO_4$]=0.10M; [NaBr]=2.5x10^{-3}M; [CB7]=5x10^{-5}M.

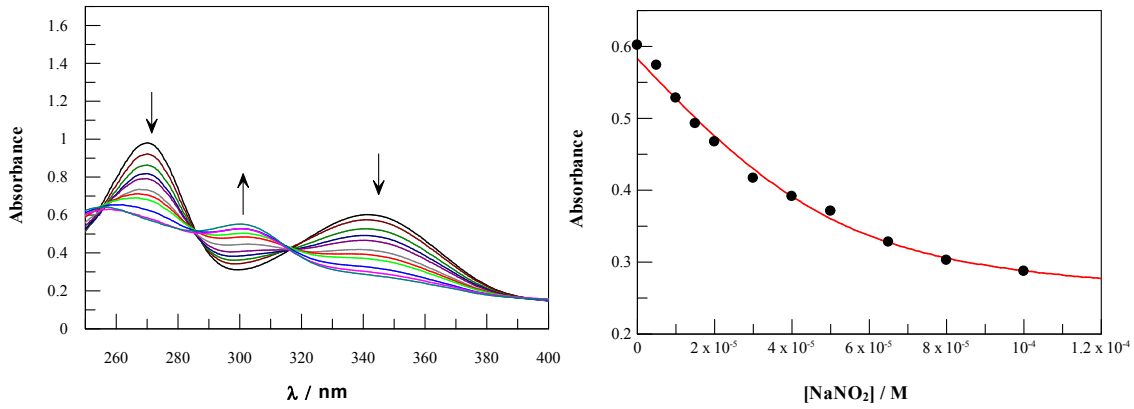

Figure S-3. Spectroscopic determination of MP nitrosation equilibrium constant at 25ºC. [MP]=5x10^{-5}M; [$HClO_4$]=0.10M; [NaBr]=2.5x10^{-3}M; [CB7]=1x10^{-4}M.

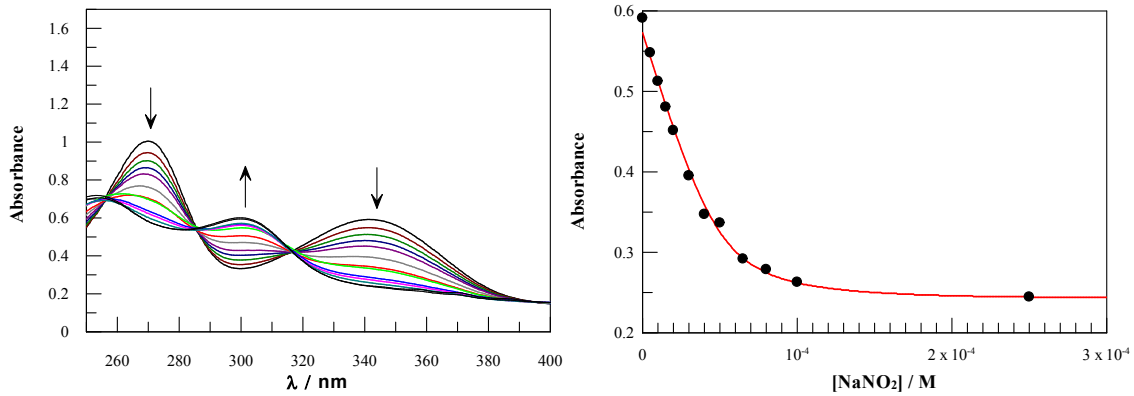

Figure S-4. Spectroscopic determination of MP nitrosation equilibrium constant at 25ºC. [MP]=5x10^{-5}M; [$HClO_4$]=0.10M; [NaBr]=2.5x10^{-3}M; [CB7]=2x10^{-4}M.

2. NO evolution from SNO^+ decomposition in bulk water.

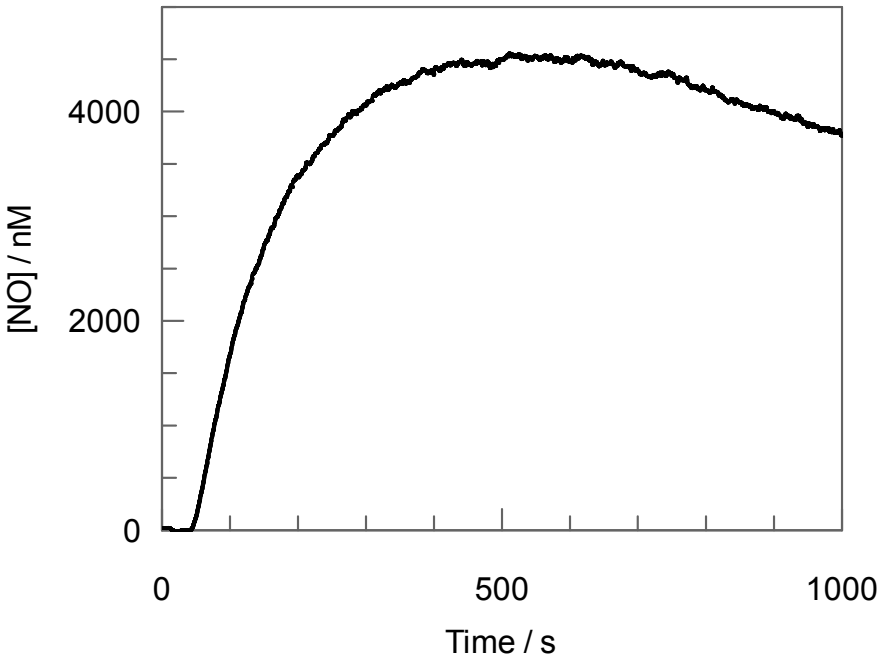

Figure S-5. NO release by SNO^+ decomposition at 25.0ºC. SNO^+ was obtained from [MP]=$7x10^{-5}$M; [$HClO_4$]=0.1 M; [$NaNO_2$]=$5x10^{-5}$ M and [NaBr]=$2.5x10^{-3}$M.

3. NO evolution from SNO^+ decomposition in the presence of 0.2 mM of CB7.

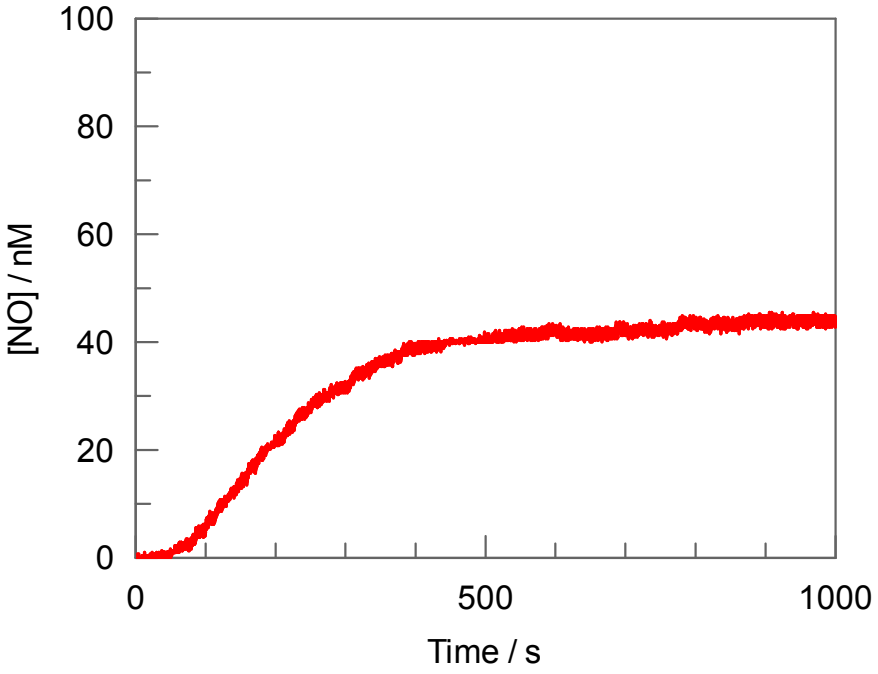

Figure S-6. NO release by SNO^+ decomposition in the presence of [CB7]=$2x10^{-4}$M. SNO^+ was obtained from [MP]=$7x10^{-5}$M; [$HClO_4$]=0.1M; [$NaNO_2$]=$5x10^{-5}$M and [NaBr]=$2.5x10^{-3}$M. T=25.0ºC.

4. NO evolution from $NaNO_2$ decomposition in bulk water.

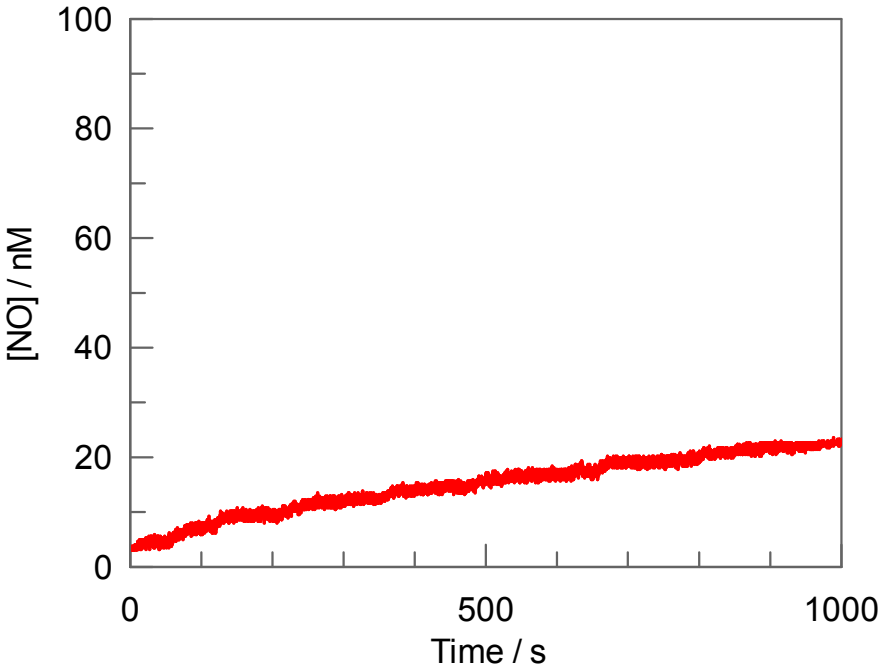

Figure S-7. NO release by $NaNO_2$ decomposition in bulk water. $[HClO_4]$=0.1M; $[NaNO_2]=5x10^{-5}$M and $[NaBr]=2.5x10^{-3}$M. T=25.0ºC.

5. NO evolution from $NaNO_2$ decomposition in the presence of 2 mM of CB7.

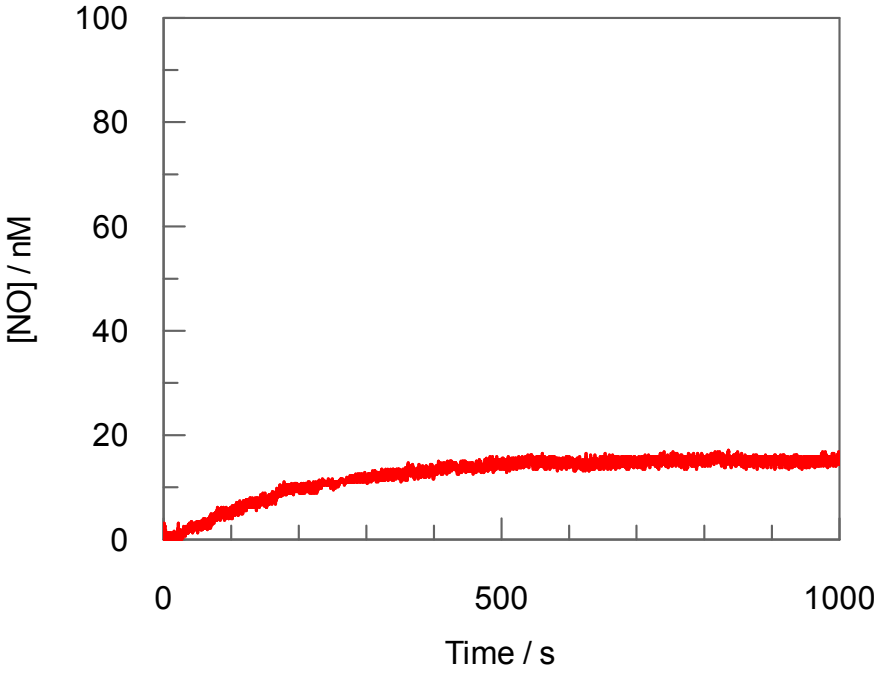

Figure S-8. NO release by $NaNO_2$ decomposition in the presence of [CB7]=$2x10^{-4}$M. [$HClO_4$]=0.1M; [$NaNO_2$]=$5x10e^{-5}$M and [NaBr]=$2.5x10^{-3}$M. T=25.0ºC.