

Supplementary Materials: Therapeutic Potential of Gramicidin S in the Treatment of Root Canal Infections

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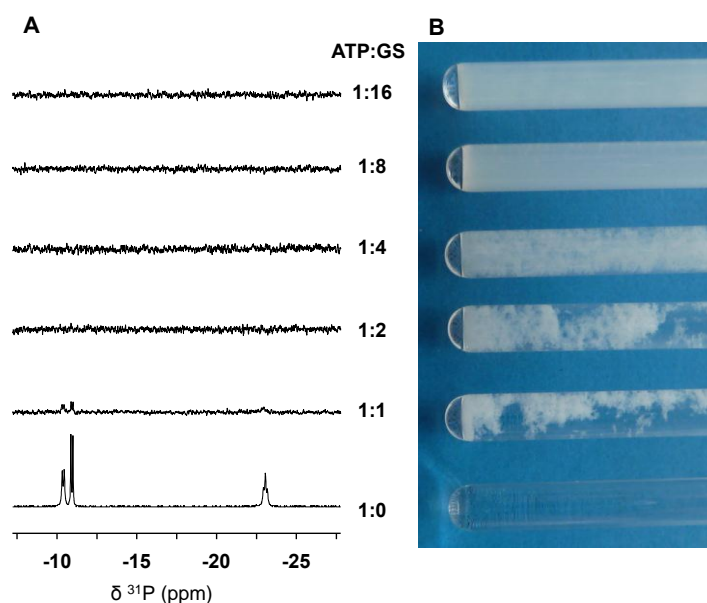


Figure S1. Binding of ATP by GS. (A) Upon titration, ^{31}P -NMR spectra show the complete disappearance of ATP signals already at a molar ratio of ATP:GS 1:2. (B) Photographs of the NMR-samples (top view) reveal the formation of various dispersions. With increasing concentration of GS, initially some large floating precipitates are observed (ATP:GS ranging 1:1 to 1:4), before the samples transform into a stable milky emulsion (above ATP:GS 1:4).

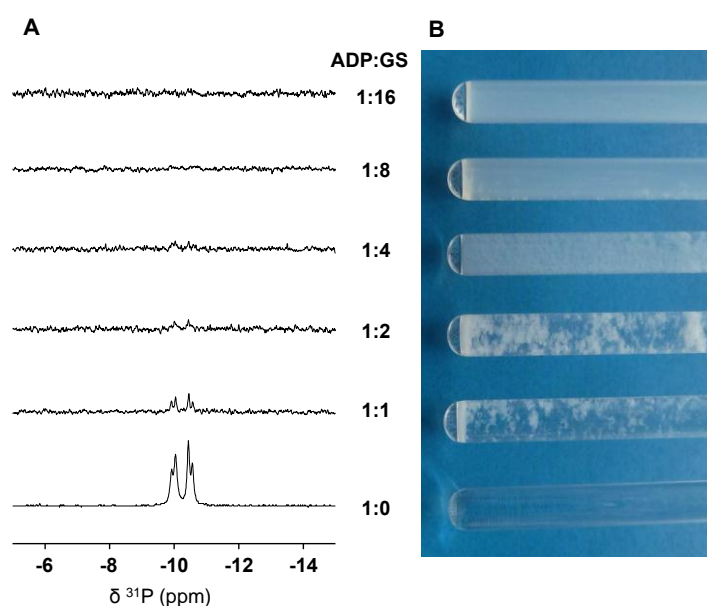


Figure S2. Binding of ADP by GS. (A) Upon titration, ^{31}P -NMR spectra show the complete disappearance of ADP signals already at molar ratio of ADP:GS 1:8. (B) Photographs of the NMR-samples (top view) reveal the formation of various dispersions. With increasing concentration of GS, initially some large floating precipitates are observed (ADP:GS ranging 1:1 to 1:4), before the samples transform into a stable milky emulsion (above ADP:GS 1:4).

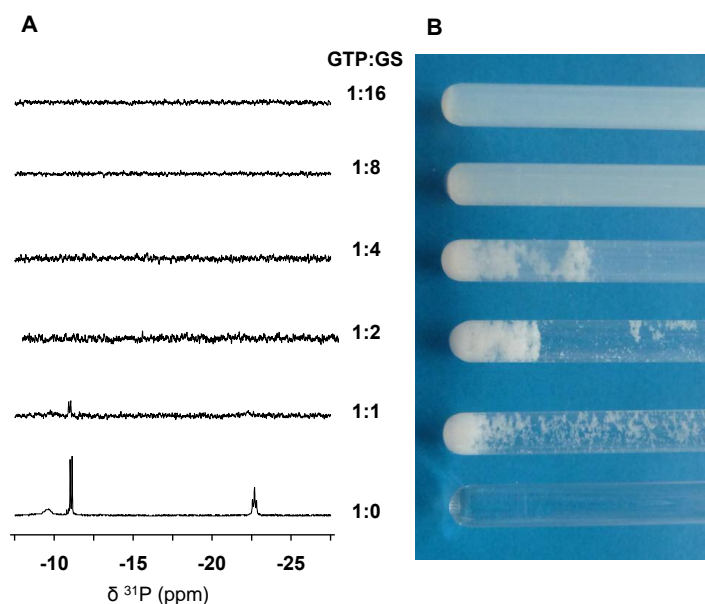


Figure S3. Binding of GTP by GS. (A) Upon titration, ³¹P-NMR spectra show the complete disappearance of GTP signals already at molar ratio of GTP:GS 1:2. (B) Photographs of the NMR-samples (top view) reveal the formation of various dispersions. With increasing concentration of GS, initially some large floating precipitates are observed (GTP:GS ranging 1:1 to 1:4), before the samples transform into a stable milky emulsion (above GTP:GS 1:4).

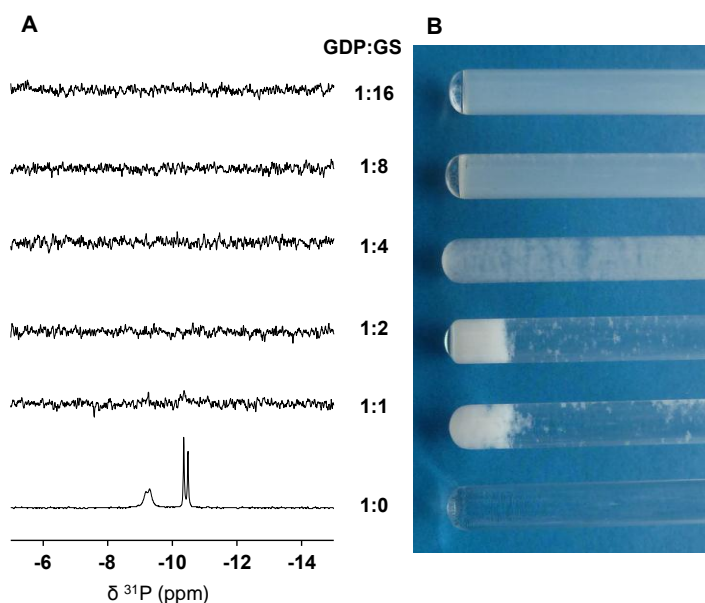


Figure S4. Binding of GDP by GS. (A) Upon titration, ³¹P-NMR spectra show the complete disappearance of GDP signals already at molar ratio of GDP:GS 1:1. (B) Photographs of the NMR-samples (top view) reveal the formation of various dispersions. With increasing concentration of GS, initially some large floating precipitates are observed (GDP:GS ranging 1:1 to 1:4), before the samples transform into a stable milky emulsion (above GDP:GS 1:4).

