Supplementary Information

S-Nitroso-*N*-acetylpenicillamine grafted silicone oil for antibacterial applications

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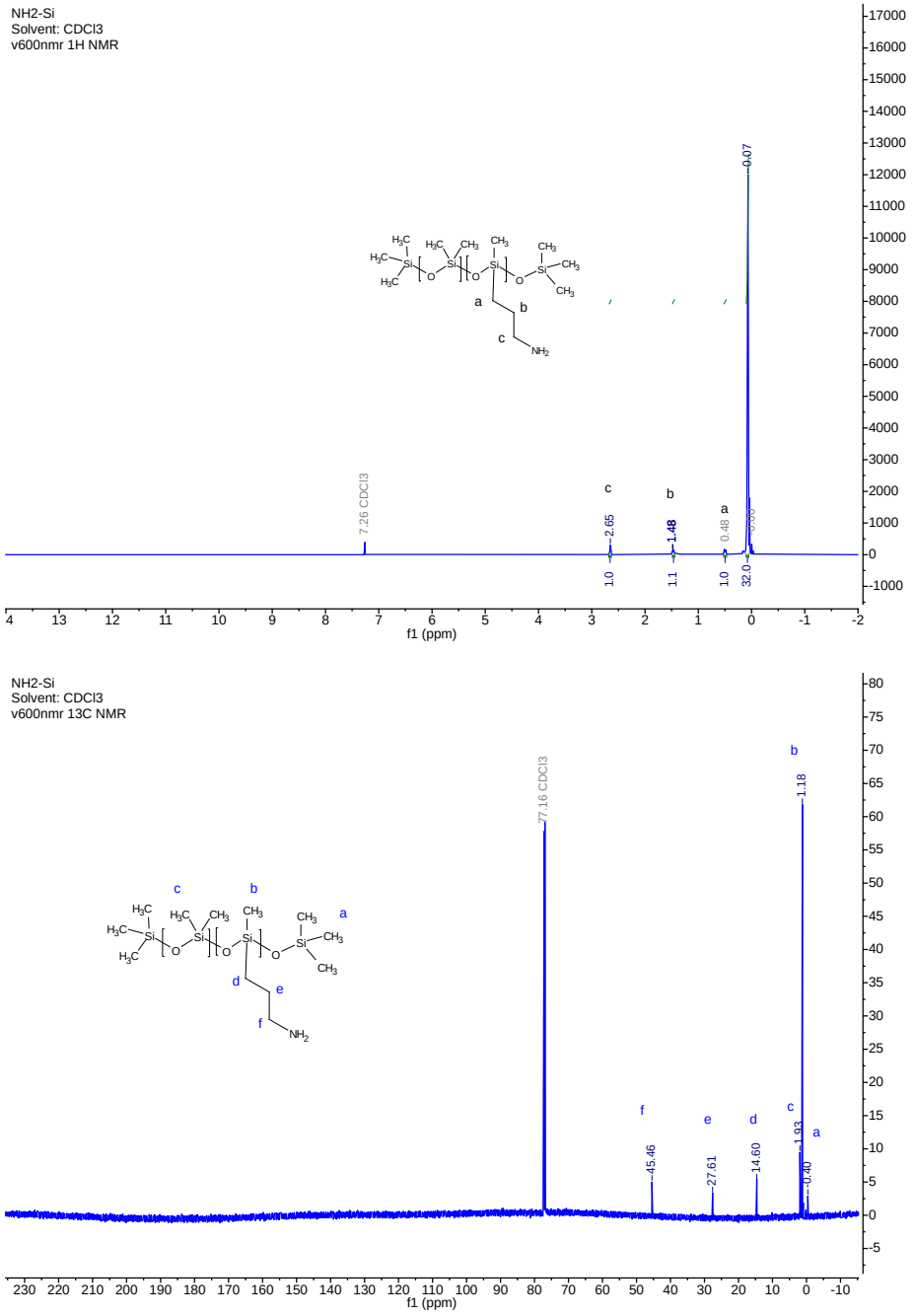

Figure. S1. ^{1}H and ^{13}C NMR of NH_2-Si. ^{1}H and ^{13}C NMR was obtained by a Varian/ Agilent VNMRS 600 MHz with a 5 mm HCN cold probe and cooled carbon preamp. Results were reported in ppm relative to the internal solvent resonances of $CDCl_3$, with 64 and 216 scans, respectively.

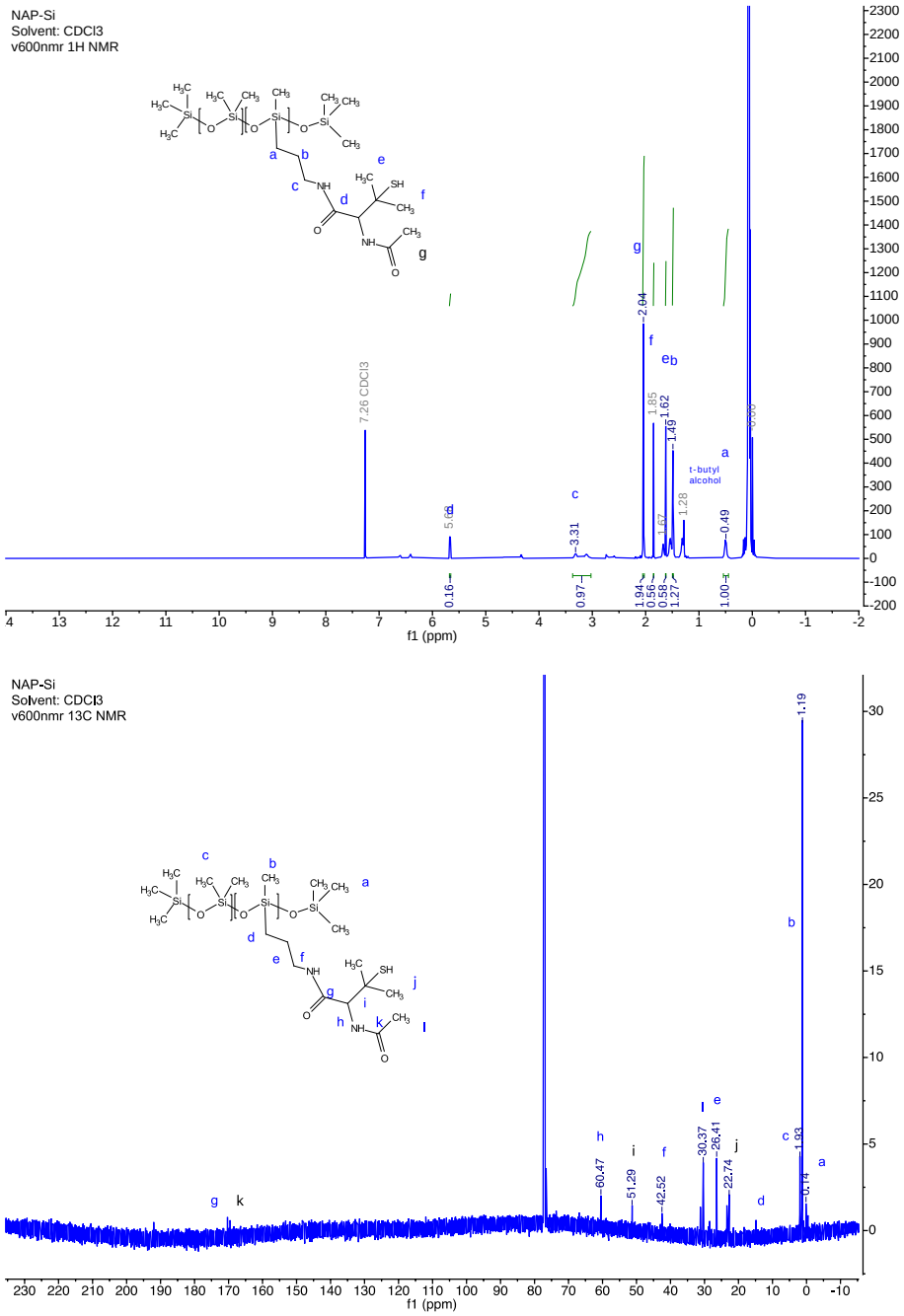

Figure. S2. ^{1}H and ^{13}C NMR of NAP-Si. ^{1}H and ^{13}C NMR was obtained by a Varian/ Agilent VNMRS 600 MHz with a 5 mm HCN cold probe and cooled carbon preamp. Results were reported in ppm relative to the internal solvent resonances of $CDCl_3$, with 64 and 216 scans, respectively.

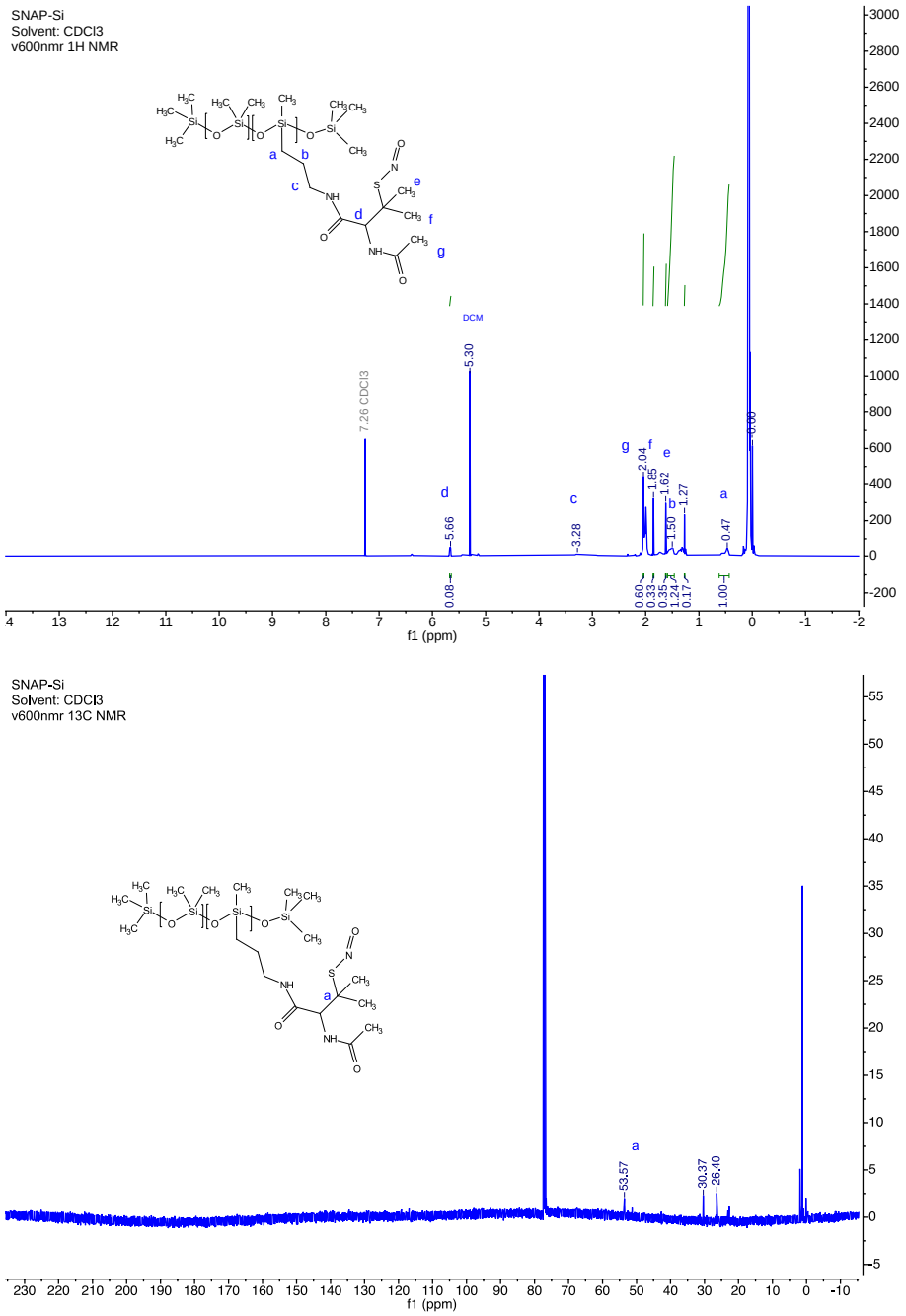

Figure. S3. ^{1}H and ^{13}C NMR of SNAP-Si. ^{1}H and ^{13}C NMR was obtained by a Varian/ Agilent VNMRS 600 MHz with a 5 mm HCN cold probe and cooled carbon preamp. Results were reported in ppm relative to the internal solvent resonances of $CDCl_3$, with 64 and 216 scans, respectively.

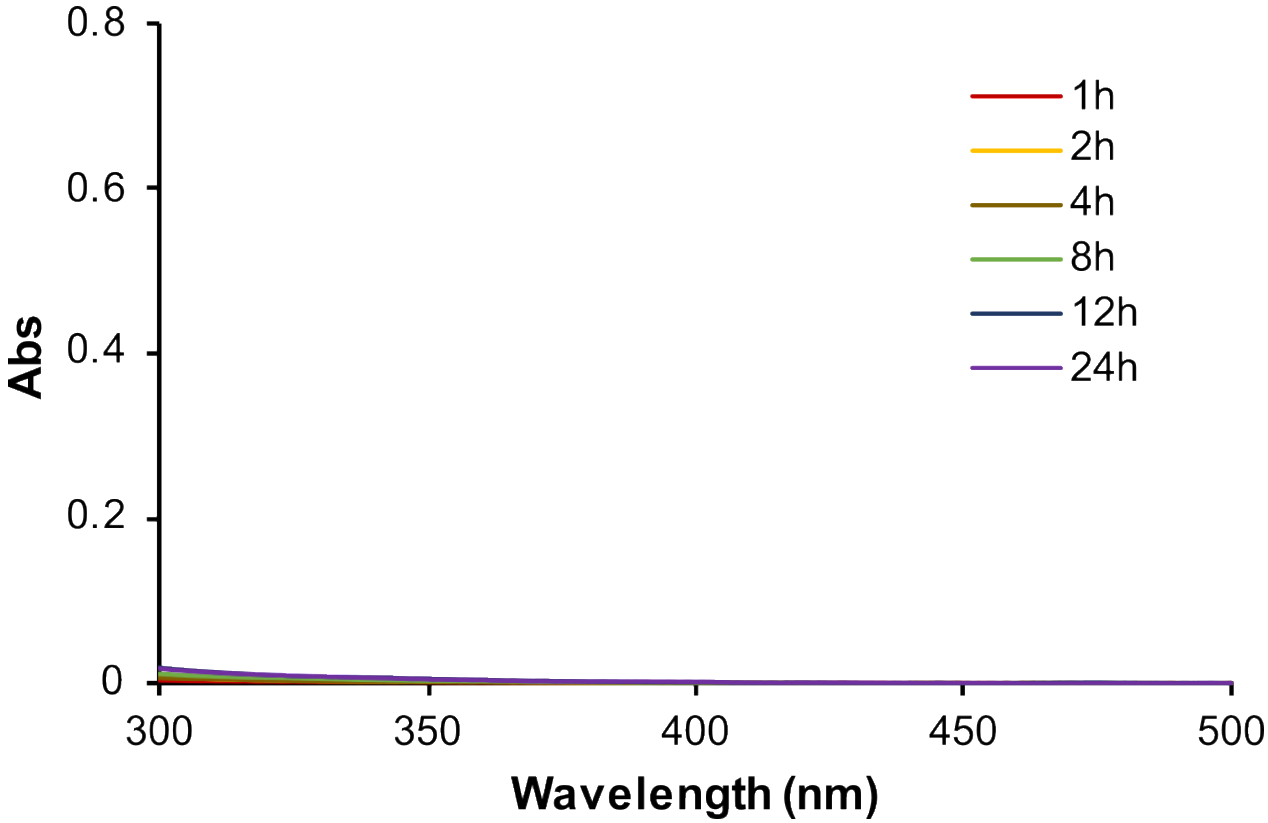

Figure. S4. Leaching of SNAP-Si-SR disks. Each SNAP-Si-SR disk was soaked in 1 mL of 10 mM PBS (pH 7.4) containing 100 μM EDTA at 37 ºC in an incubator. Then 1 mL of soaking solution was measured by UV-vis and the absorption was recorded. At the same time, the sample vial was replenished with 1 mL of fresh 10 mM PBS (pH 7.4, 100 μM EDTA), and incubated at 37 °C until the next reading.