

Supplemental material

Keceli et al., <https://doi.org/10.1085/jgp.201812208>

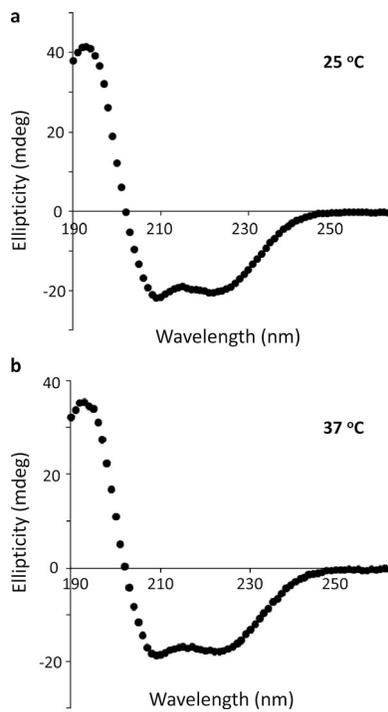


Figure S1. **Selected region of CD spectra showing WT-PLN.** The samples were reconstituted in phosphate buffer containing DPC (pH 7.5), at 25°C (a) and 37°C (b).

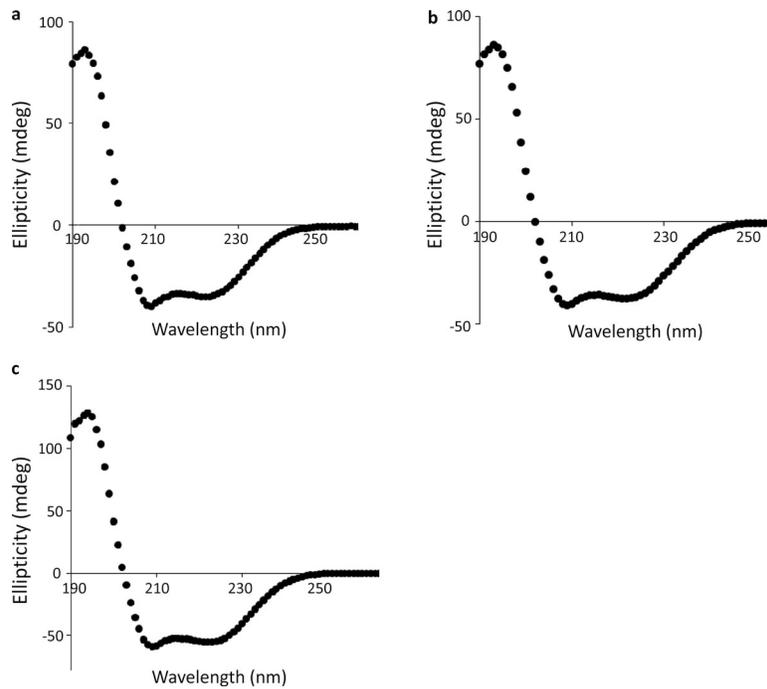


Figure S2. **Selected region of CD spectra showing PLN variants.** C41,46A-PLN (a), C36,41A-PLN (b), and C36A-PLN (c) were reconstituted in phosphate buffer containing DPC (pH 7.5) at 25°C.

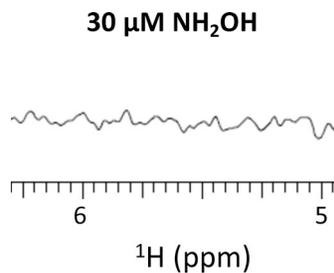


Figure S3. **Selected region of ¹⁵N-edited ¹H 1D-NMR spectra showing PLN treated with ¹⁵NH₂OH.** C36,46A-PLN (60 μ M) was incubated with ¹⁵NH₂OH (30 μ M) in phosphate buffer containing DPC (pH 7.4) at 37°C for 30 min.



Figure S4. **Treatment of C41,46A-PLN (0.5 μ M) with various concentrations of the HNO donor, AS, in phosphate buffer containing DPC (pH 7.4) at 37°C for 30 min.** After the addition of loading buffer, the samples in the indicated lanes were boiled for 5 min before loading and SDS-PAGE analysis (Y = Yes/Boiled, N = No/Not Boiled).

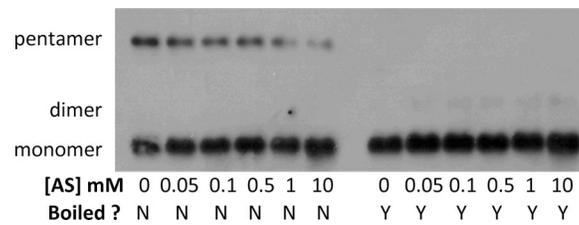


Figure S5. **Treatment of C36,46A-PLN (0.5 μ M) with various concentrations of the HNO donor, AS, in phosphate buffer containing DPC (pH 7.4) at 37°C for 30 min.** After the addition of loading buffer, the samples in the indicated lanes were boiled for 5 min before loading and SDS-PAGE analysis (Y = Yes/Boiled, N = No/Not Boiled).

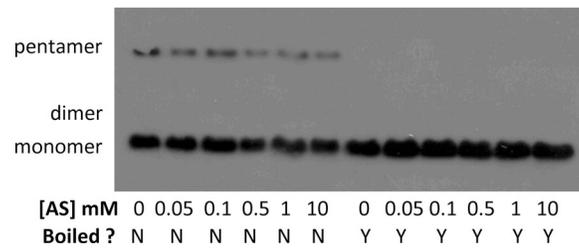


Figure S6. **Treatment of C36,41A-PLN (0.5 μ M) with various concentrations of the HNO donor, AS, in phosphate buffer containing DPC (pH 7.4) at 37°C for 30 min.** After the addition of loading buffer, the samples in the indicated lanes were boiled for 5 min before loading and SDS-PAGE analysis (Y = Yes/Boiled, N = No/Not Boiled).

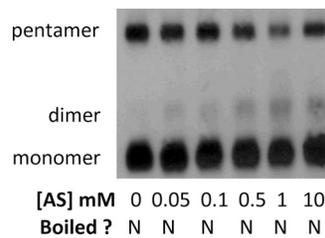


Figure S7. **Treatment of WT-PLN (0.5 μ M) with various concentrations of the HNO donor, AS, in phosphate buffer containing DPC (pH 7.4) at 37°C for 30 min.** After the addition of loading buffer, the samples were analyzed by SDS-PAGE (N = No/Not Boiled).