

Inhibition of *Thermus thermophilus* HB8 thioredoxin activity by platinum(II) complex

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The supporting information encompasses Fig. S1-S4. Fig. S1 displays the MALDI-TOF MS spectra for confirming the purification of Thioredoxin-Platinum Complex; Fig. S2 and S3 show the UV-visible spectrum and the MALDI-TOF MS spectra for identifying the existence of the Pt-S bond; and Fig. S4 displays the LIFT TOF/TOF MS spectrum (parent mass: $m/z = 1265.366$) for confirming the binding site of the platinum(II) complex in thioredoxin.

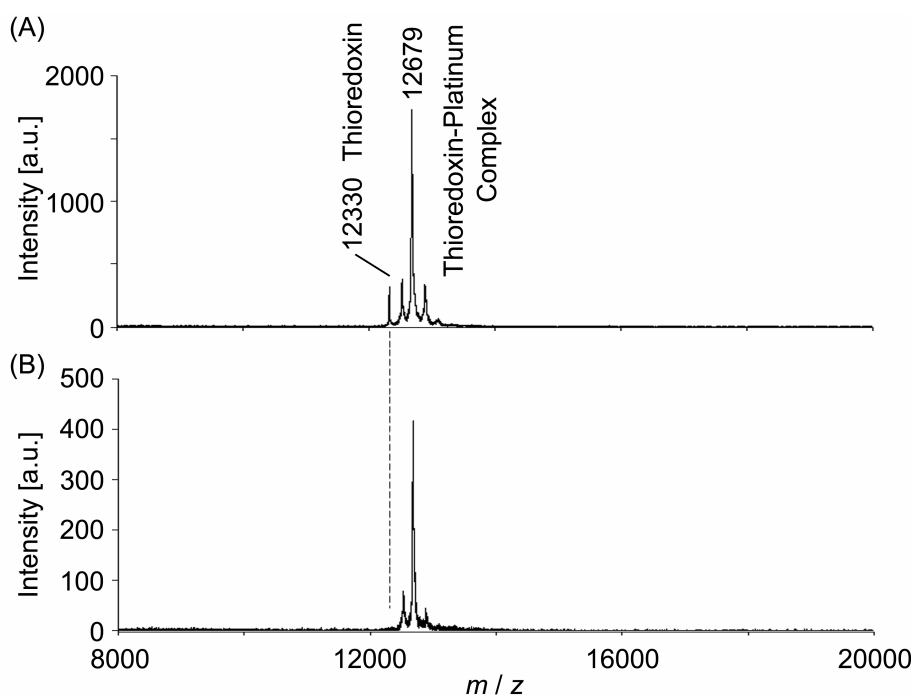


Fig. 1 MALDI-TOF MS spectra of Thioredoxin-Platinum Complex (A) before and (B) after purification by 6% Native-polyacrylamide gel electrophoresis (PAGE).

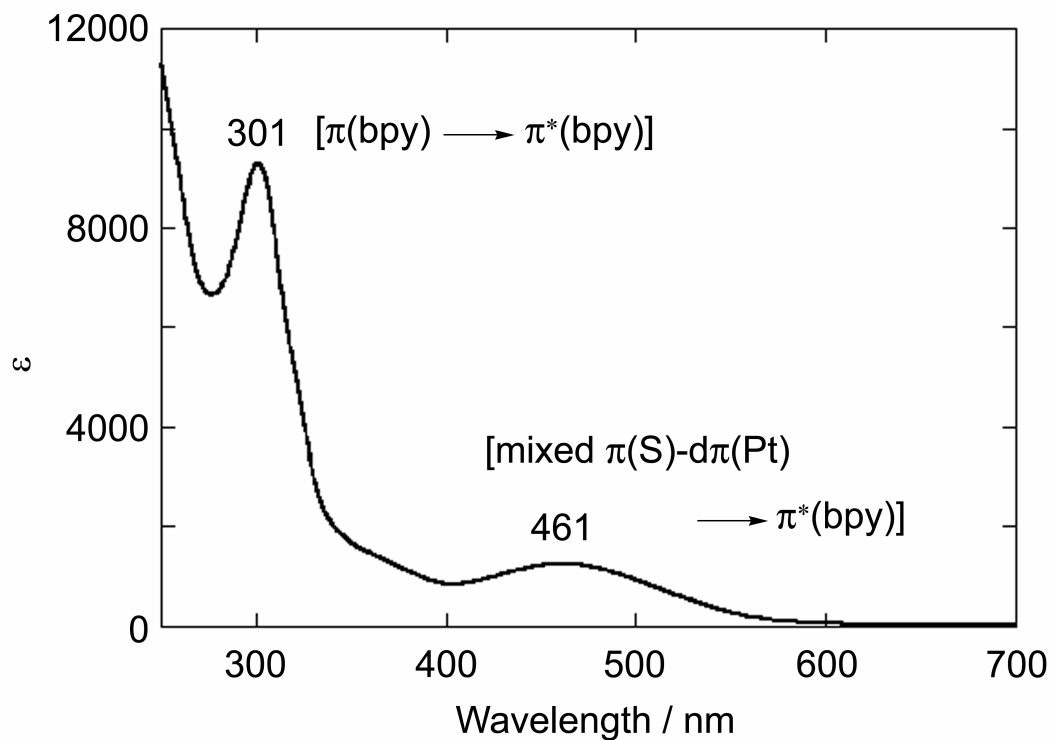


Fig. S2 UV-visible spectrum of $[\text{Pt}(\text{bpy})(\text{Z-cys-Pro-Leu-cys-OMe})]$ in methanol at 30°C.

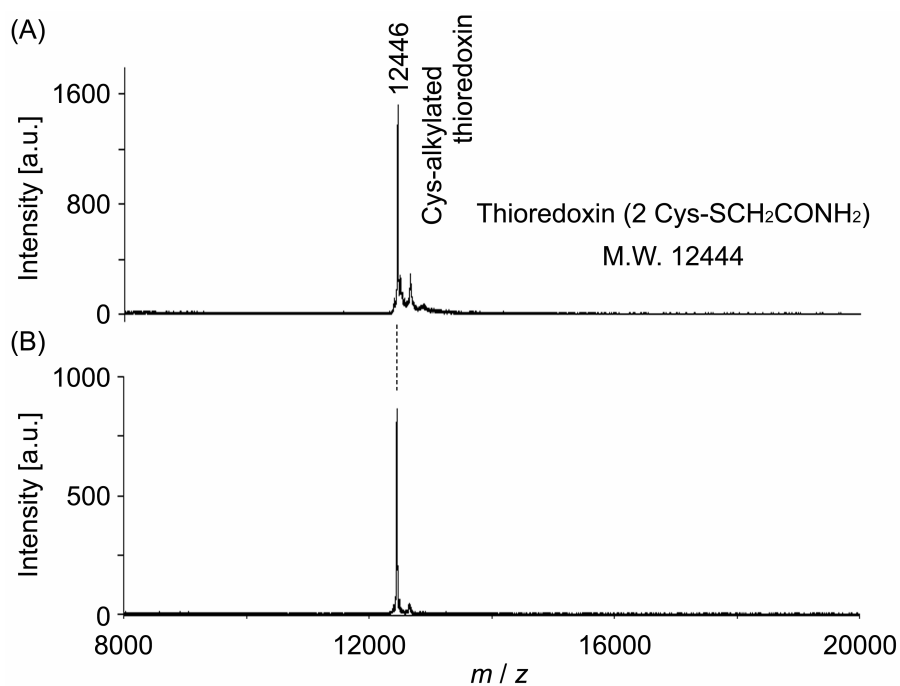


Fig. 3 MALDI-TOF MS spectra of (A) thioredoxin alkylated by iodoacetamide and (B) after mixing with $\text{Pt}(\text{bpy})(\text{en})^{2+}$.

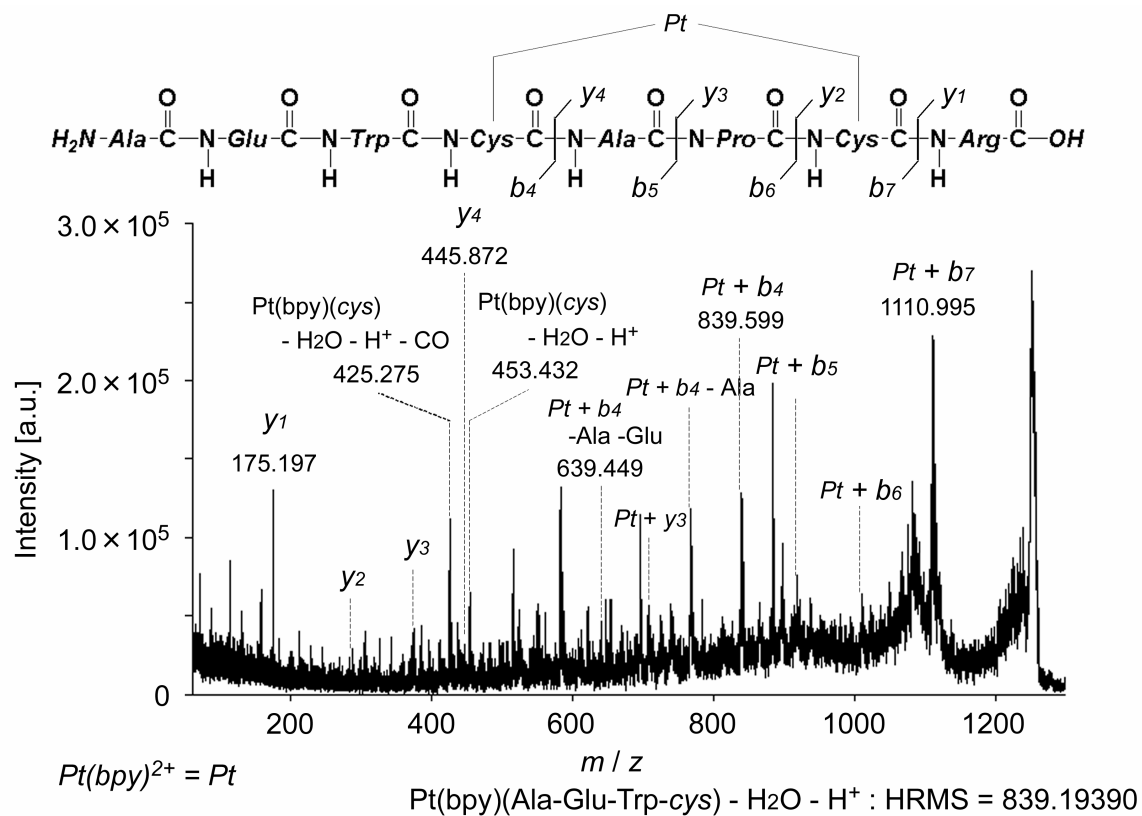


Fig. S4. LIFT-TOF/TOF MS spectrum of Thioredoxin-Platinum Complex digested by chymotrypsin (parent mass: $m/z = 1265.366$).