

SUPPLEMENTARY INFORMATION

for the paper

“Phase transformations in a double complex salt of ruthenium nitrosyl anion with tetraamine-palladium cation”

Kostin G.A.^{a,b*}, Filatov E.Yu.^{a,b}, Pischur D.P.^a, Kuratieva N.V.^{a,b}, Korenev S.V.^{a,b}

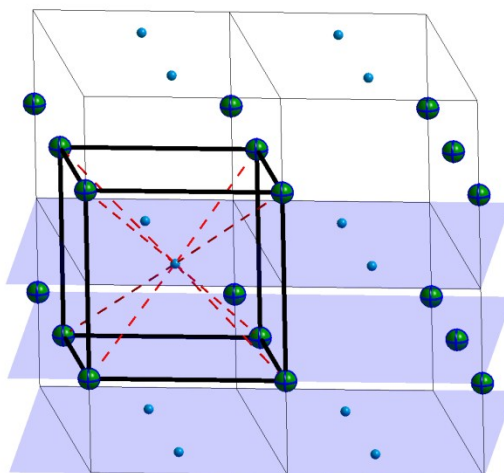


Fig. S1. Volume -centered pseudo cell in monoclinic structure of $[\text{Pd}(\text{NH}_3)_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$.

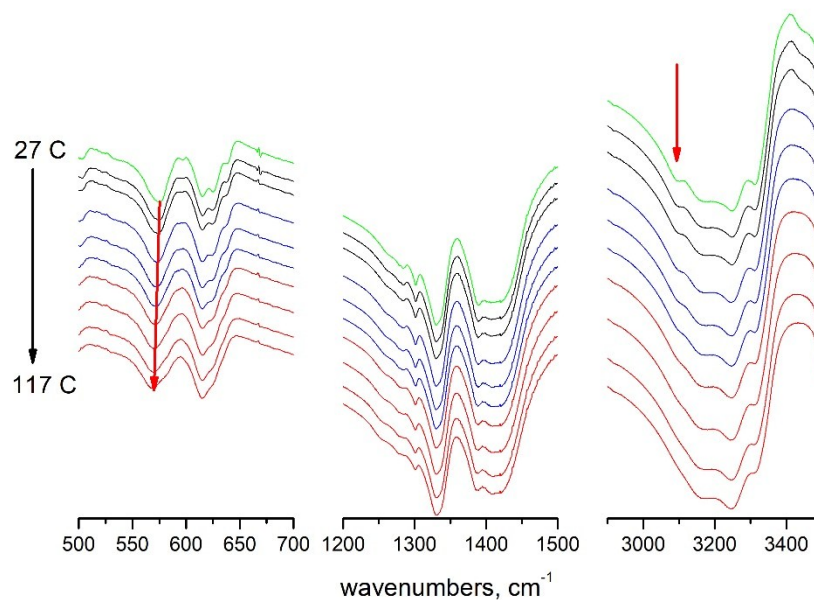


Fig. S2. IR spectra of $[\text{Pd}(\text{NH}_3)_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$ during the heating from 298 to 390 K.

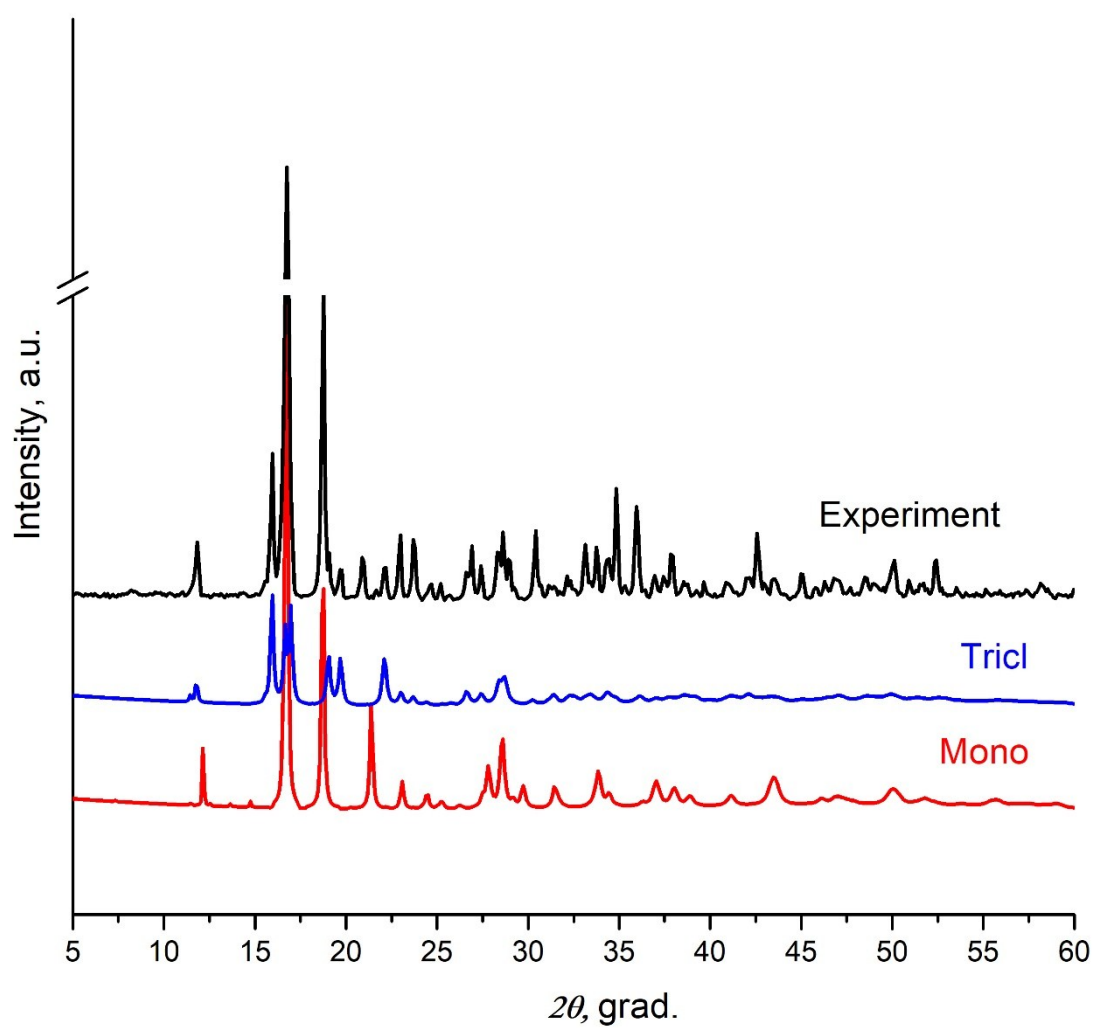


Fig. S3-a. Powder XRD of fresh precipitate of $[\text{Pd}(\text{NH}_3)_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$ and reference XRD pictures for monoclinic (red) and triclinic (blue) phases. Full pattern.

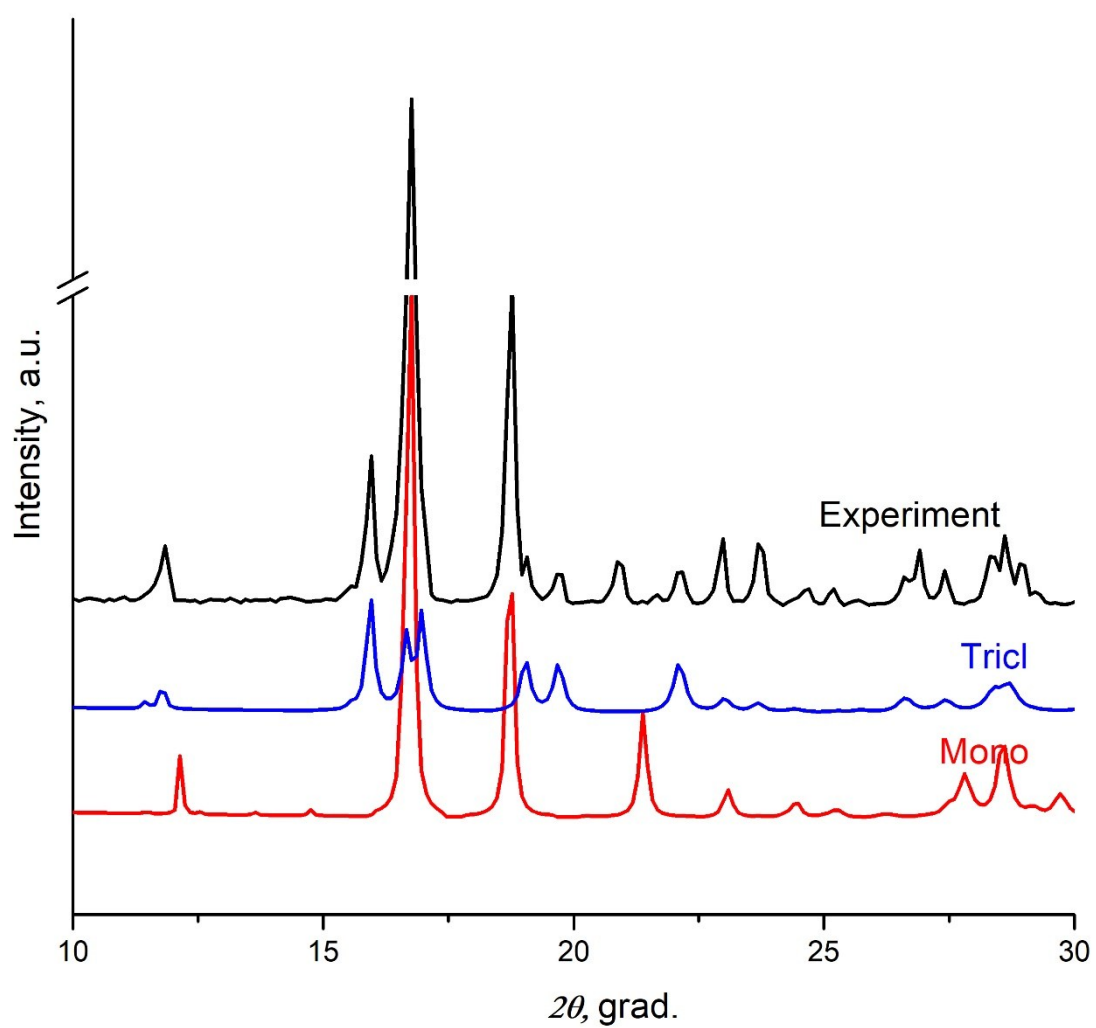


Fig. S3-b. Powder XRD of fresh precipitate of $[\text{Pd}(\text{NH}_3)_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$ and reference XRD pictures for monoclinic (red) and triclinic (blue) phases. 10-30° angle range.

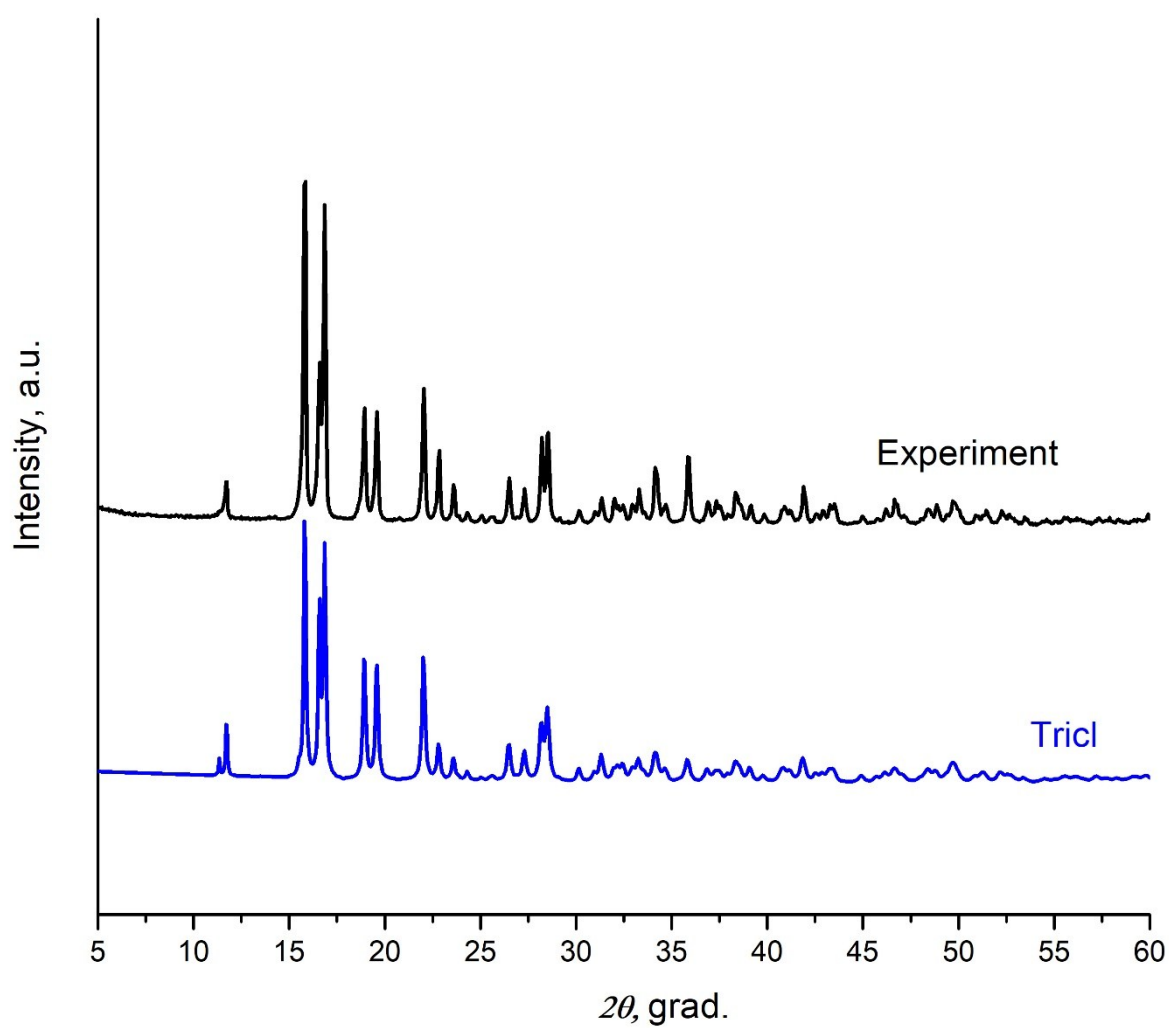


Fig. S3-c. Powder XRD of $[\text{Pd}(\text{NH}_3)_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$ sample after heating-cooling cycle in synchrotron experiment and reference XRD picture for triclinic (blue) phase. Full pattern.

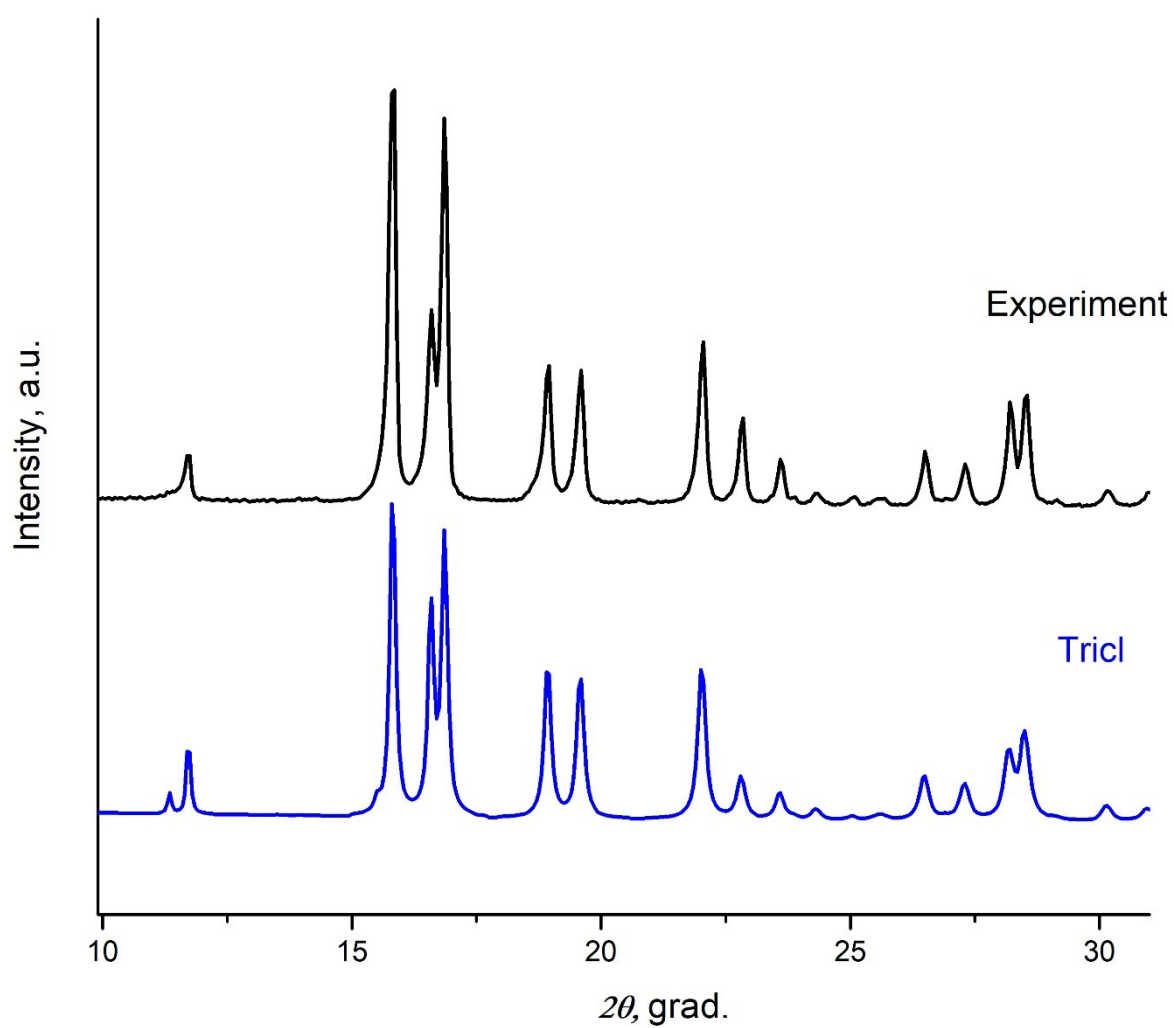


Fig. S3-d. Powder XRD of $[\text{Pd}(\text{NH}_3)_4][\text{RuNO}(\text{NO}_2)_4\text{OH}]$ sample after heating-cooling cycle in synchrotron experiment and reference XRD picture for triclinic (blue) phase. $10\text{-}30^\circ$ angle range.