

Electronic Supplementary Information

Chirality-controlled biomolecular recognition in Cu(I) metallodrugs: the first enantiomorphic CuP₂O₂ systems with dual DNA/LOX activity

S.K. Hadjikakou^{1,*}, T.M. Koufou¹, C.N. Banti^{1,*}, N. Tsoureas², C.P. Raptopoulou³, V. Psycharis³, C.A. Mitsopoulou²

¹ Biological Inorganic Chemistry Laboratory, Department of Chemistry, University of Ioannina, 45110 Ioannina, Greece

² Inorganic Chemistry Laboratory, Department of Chemistry National and Kapodistrian University of Athens, Athens, Greece

³ Institute of Nanoscience and Nanotechnology, NCSR "Demokritos", Athens, Greece

*All correspondence should be addressed to:

Dr. C.N. Banti (Adjunct Lecturer); email: cbanti@uoi.gr

Dr. S.K. Hadjikakou (Professor); e-mail: shadjika@uoi.gr; tel. x30-26510-08374, x30-26510-08362

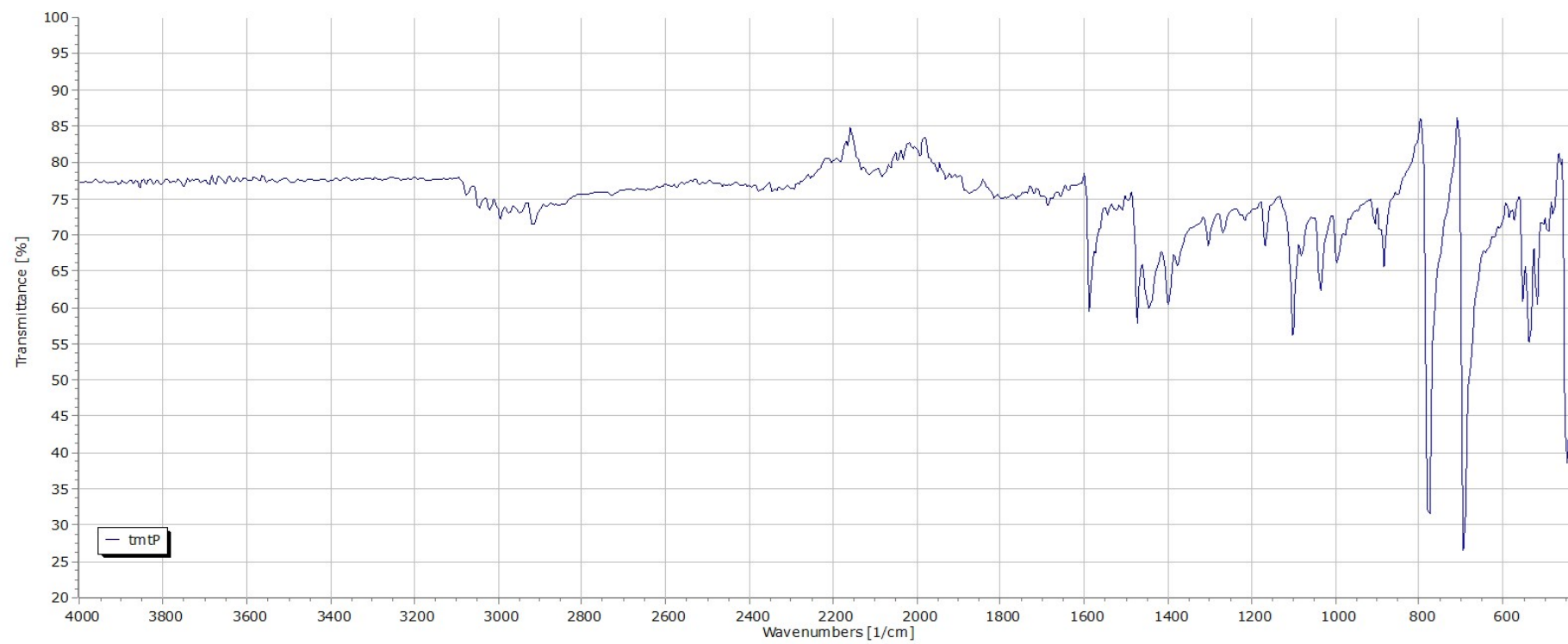


Figure S1. FT-IR Spectrum of (*m*-MePh)₃P.

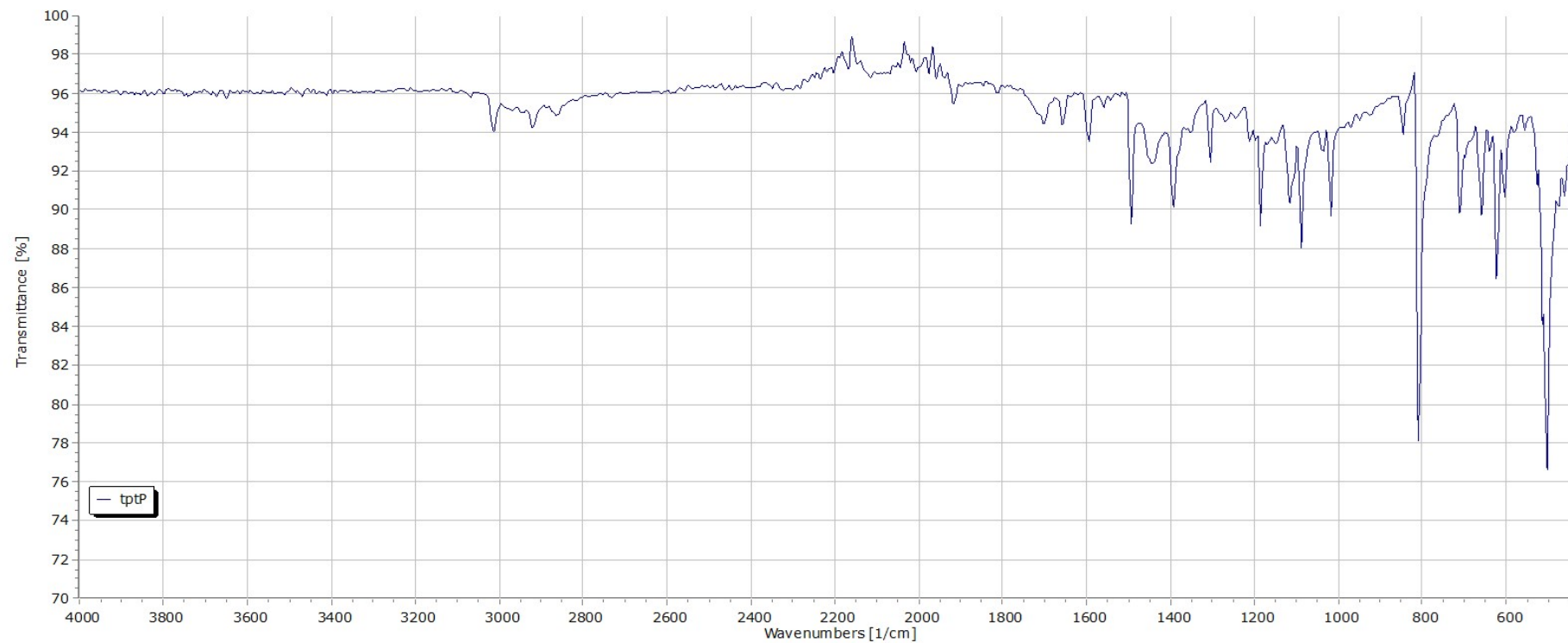


Figure S2. FT-IR Spectrum of (p-MePh)₃P.

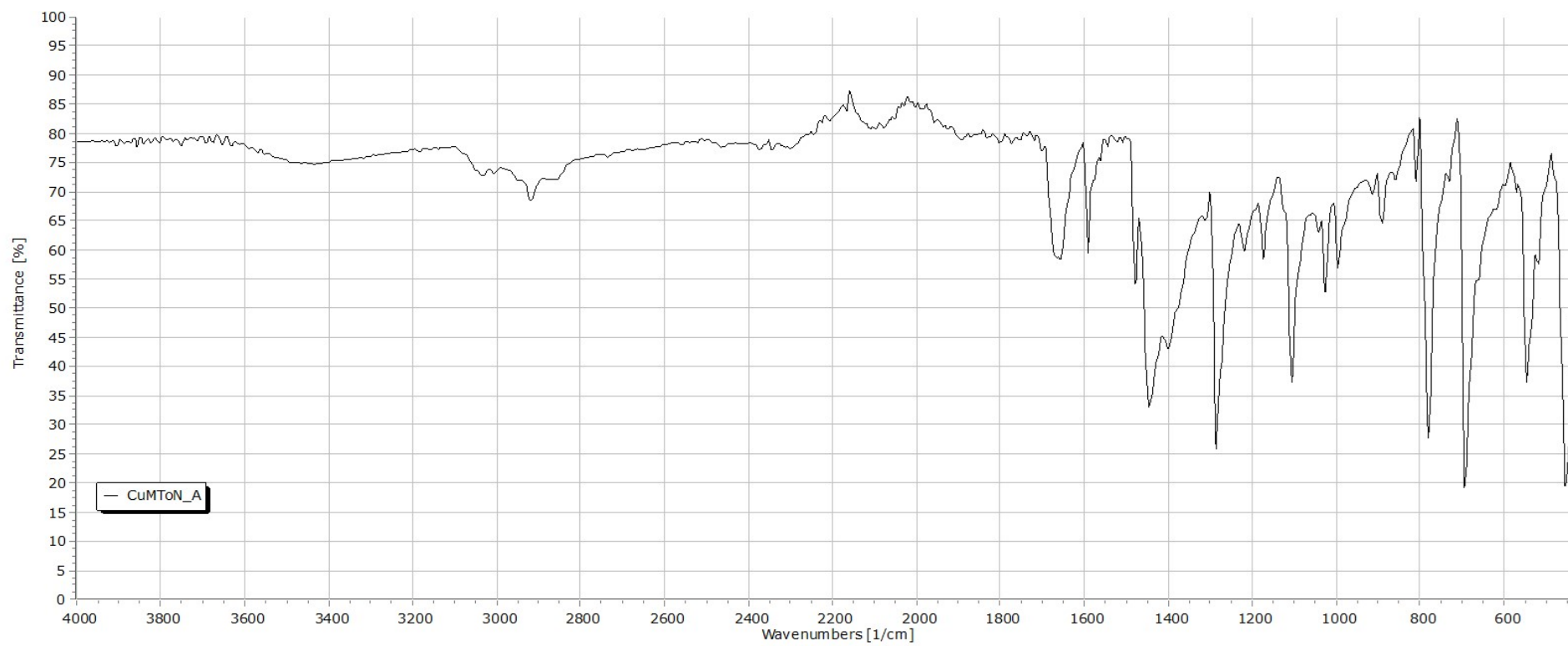


Figure S3. FT-IR Spectrum of **1**.

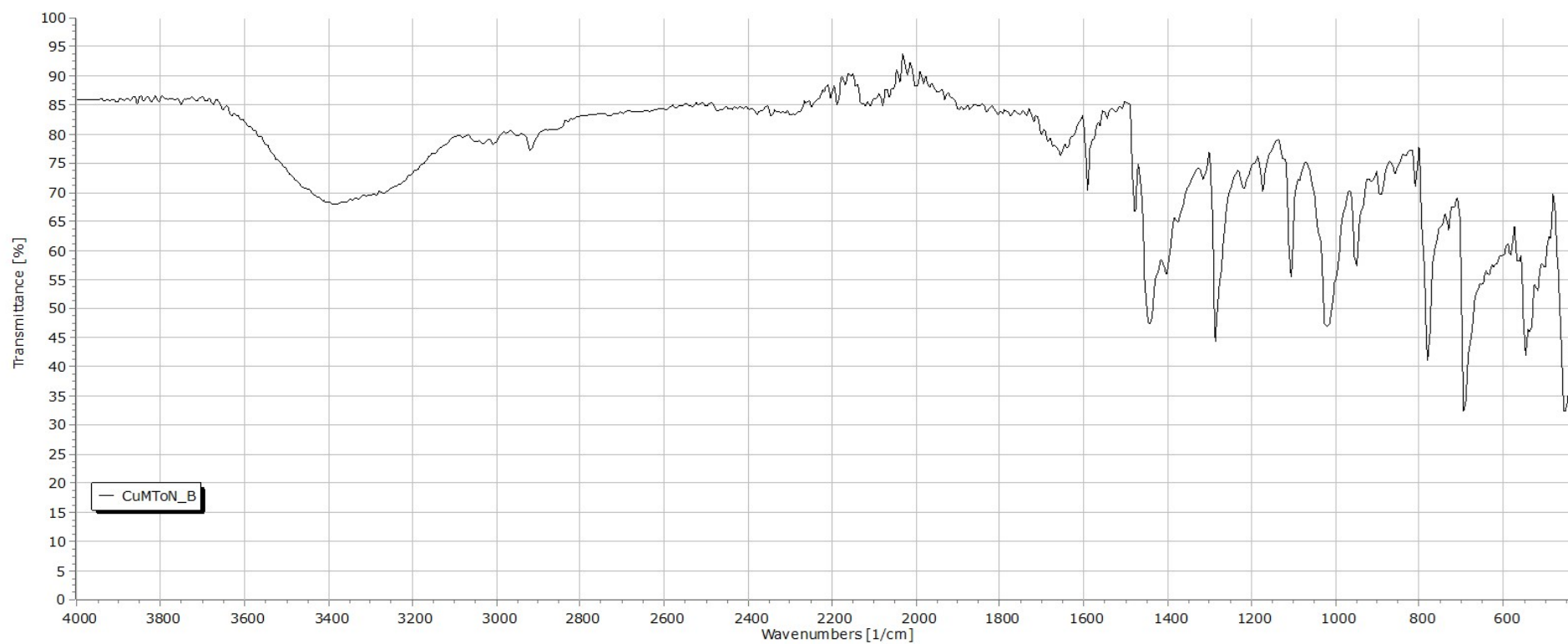


Figure S4. FT-IR Spectrum of **2**.

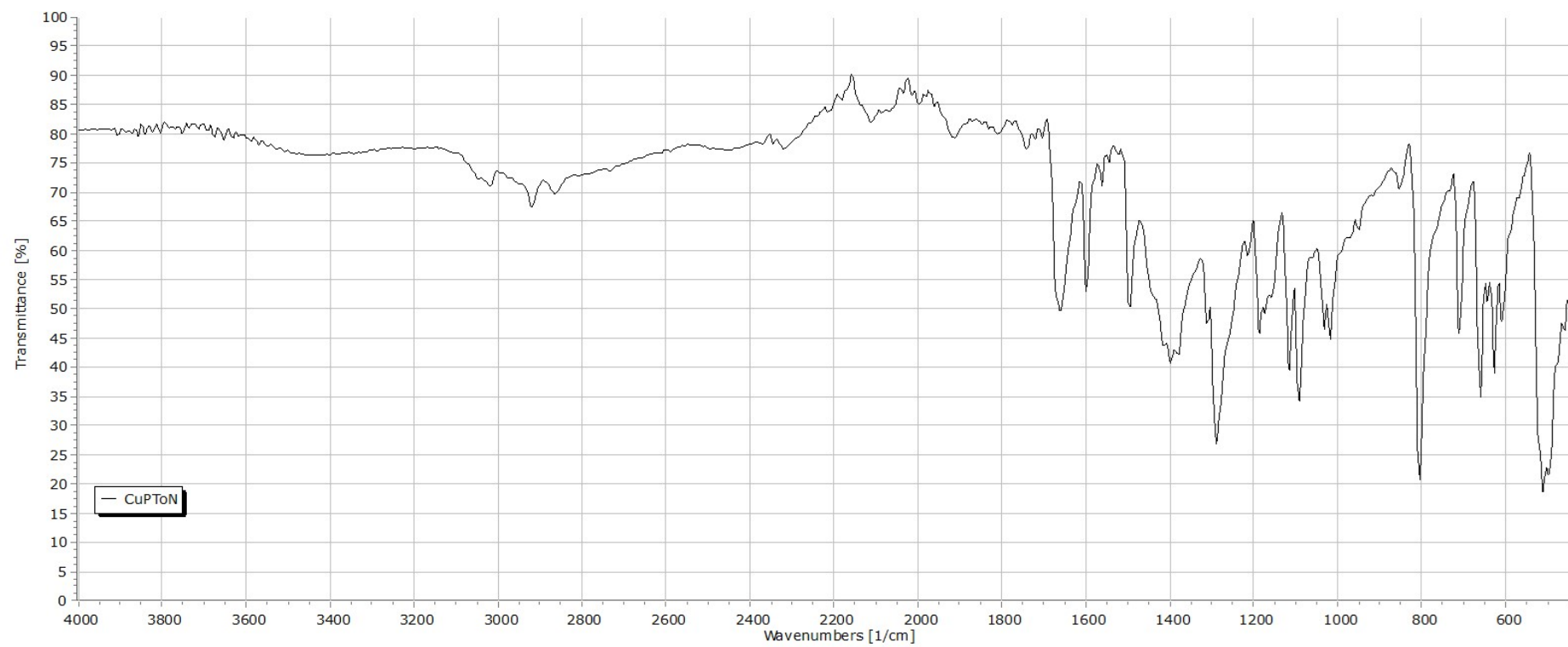


Figure S5. FT-IR Spectrum of **3**.

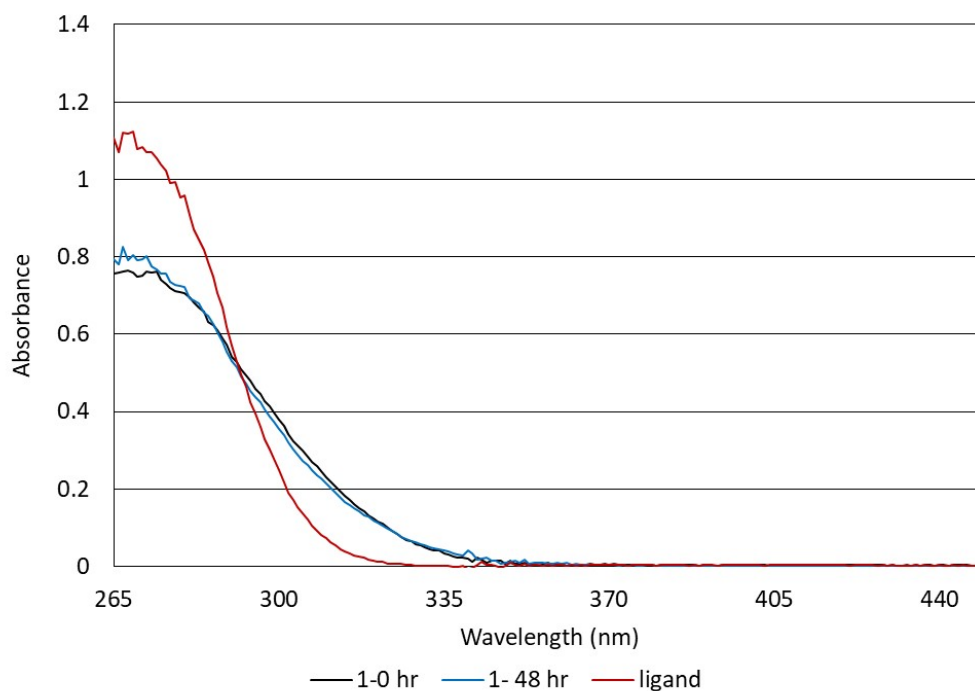


Figure S6. Uv-Vis Spectrum of **1** (50 μM) in DMSO and after 48 hr.

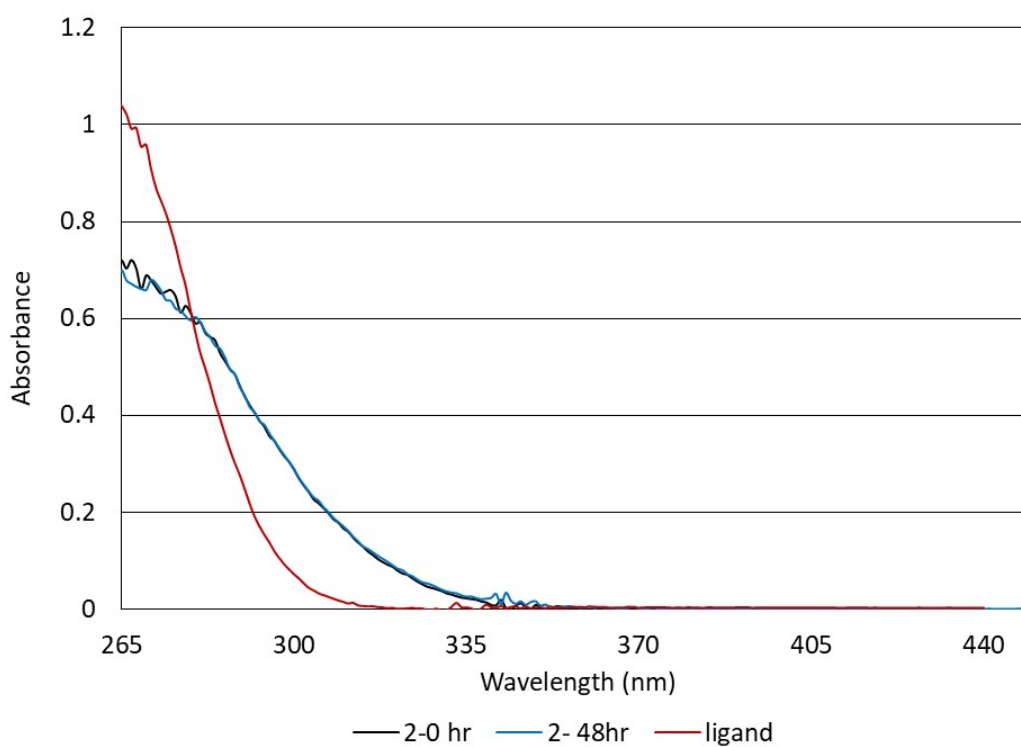


Figure S7. Uv-Vis Spectrum of **2** (50 μM) in DMSO and after 48 hr.

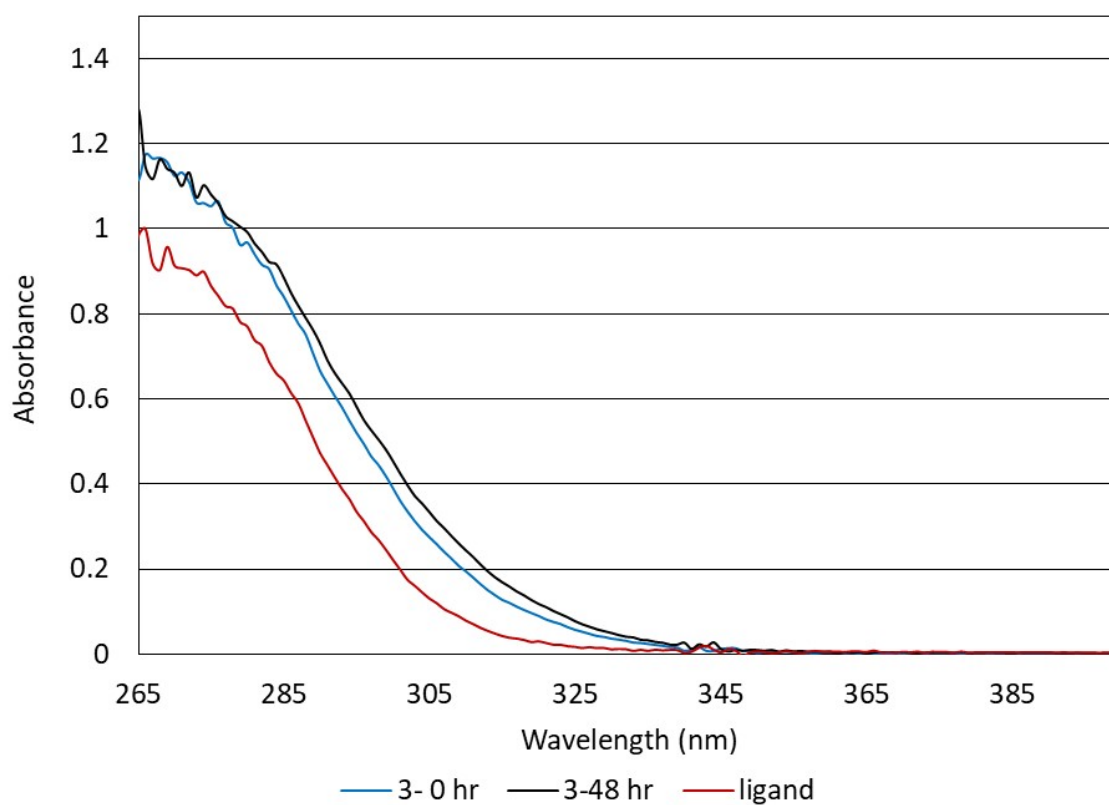


Figure S8. Uv-Vis spectrum of **3** (50 μM) in DMSO and after 48 hr.

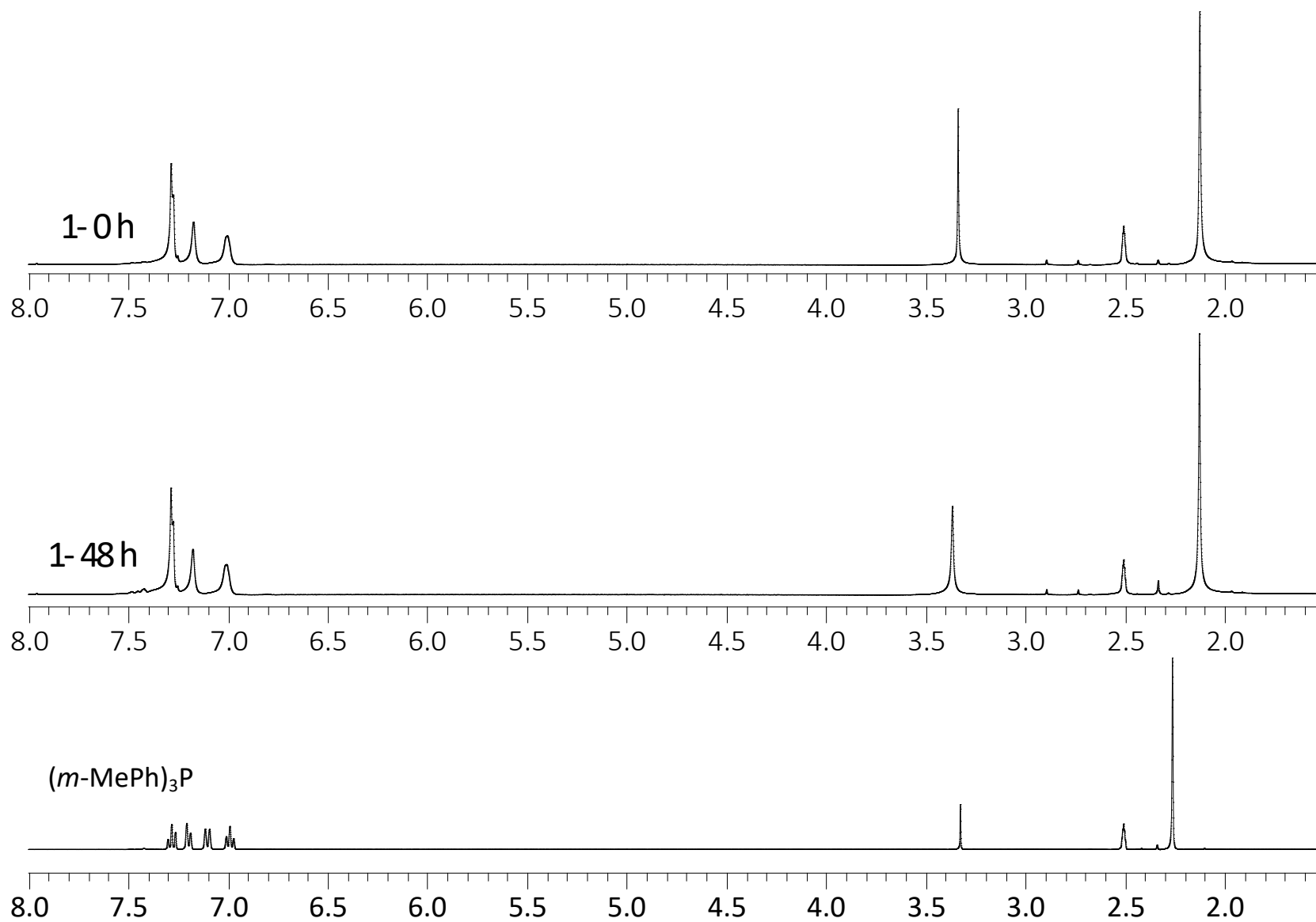


Figure S9. ^1H -NMR spectrum of (*m*-MePh) $_3$ P and **1** in $\text{dms-}d_6$ and after 48 hours

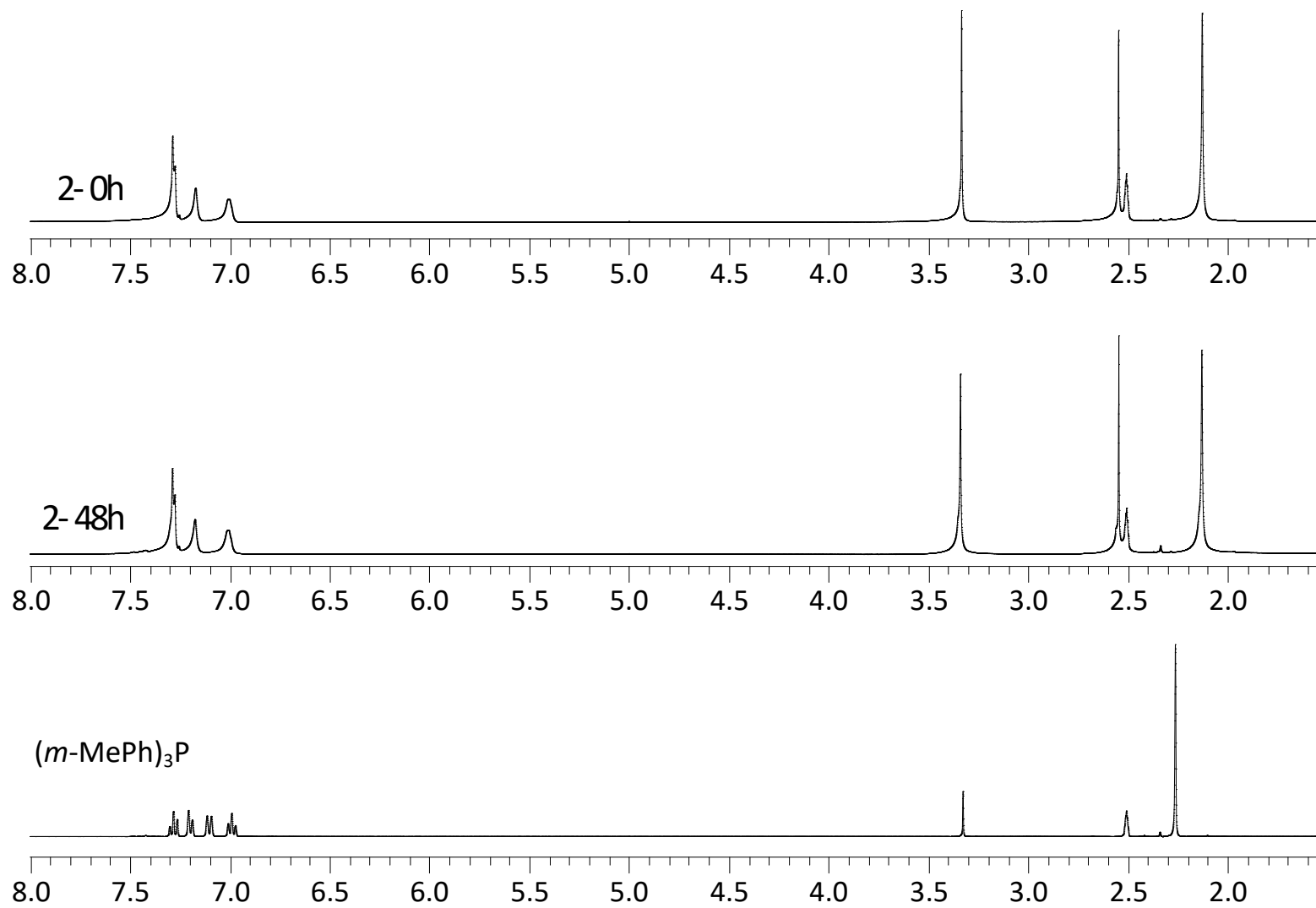


Figure S10. ^1H -NMR spectrum of $(m\text{-MePh})_3\text{P}$, **2** in $\text{dmsO-}d_6$ and after 48 hours.

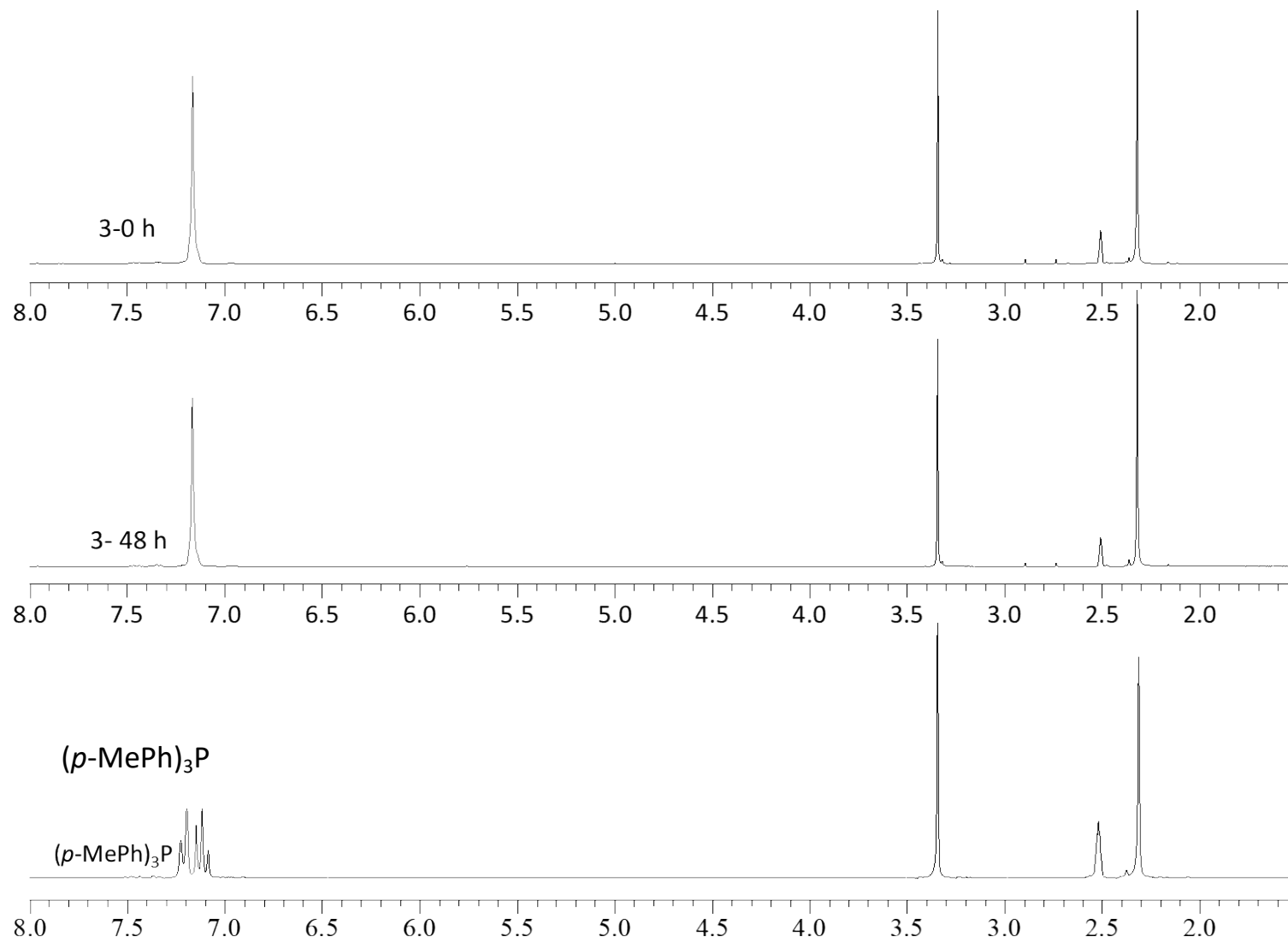


Figure S11. ^1H -NMR spectrum of $(p\text{-MePh})_3\text{P}$, **3** in $\text{dms0-}d_6$ and after 48 hours

