

# [O-Isopropyl-N-(4-nitrophenyl)thiocarbamato- $\kappa$ S]- (tri-*p*-tolylphosphine- $\kappa$ P)gold(I)

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## SUPPLEMENTARY MATERIALS

Contents:

- Figure S1.** <sup>1</sup>H NMR spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (**1**).
- Figure S2.** <sup>13</sup>C{<sup>1</sup>H} NMR spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (**1**).
- Figure S3.** <sup>31</sup>P{<sup>1</sup>H} NMR spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (**1**).
- Figure S4.** IR spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (**1**).
- Figure S5.** UV-vis spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (**1**).

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MAu1

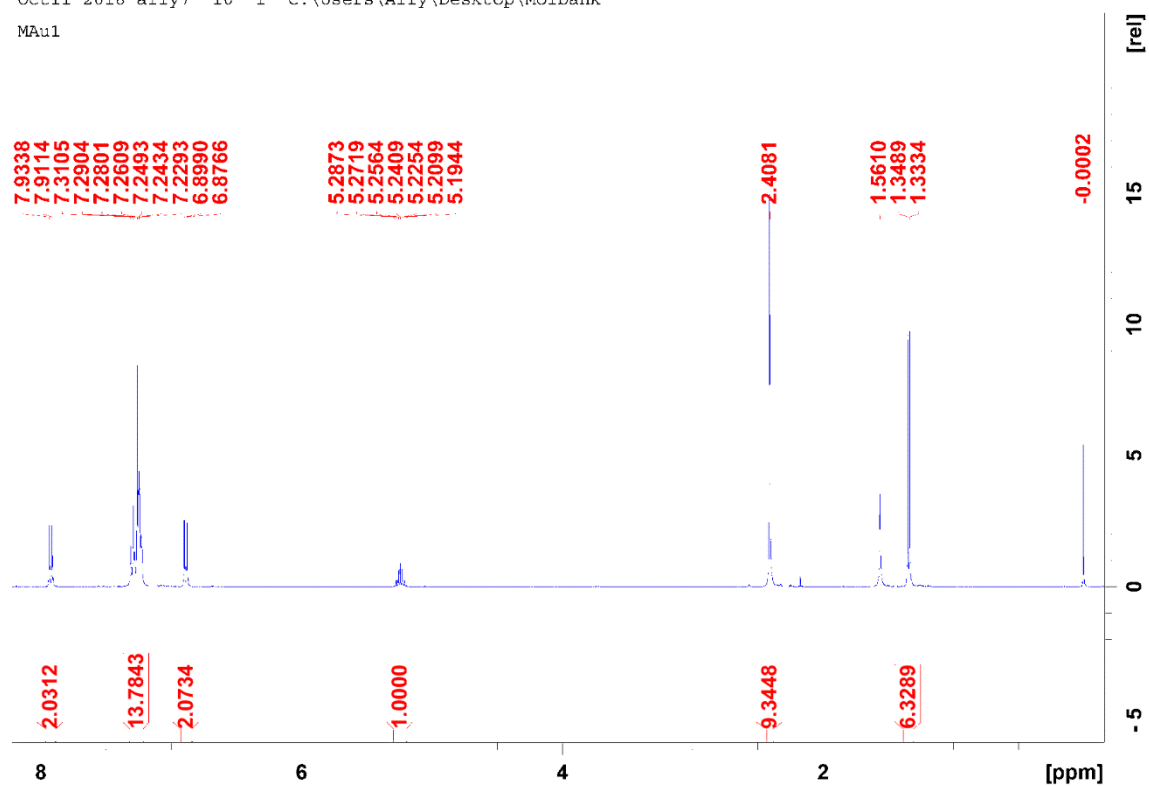


Figure S1. <sup>1</sup>H NMR spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (1).

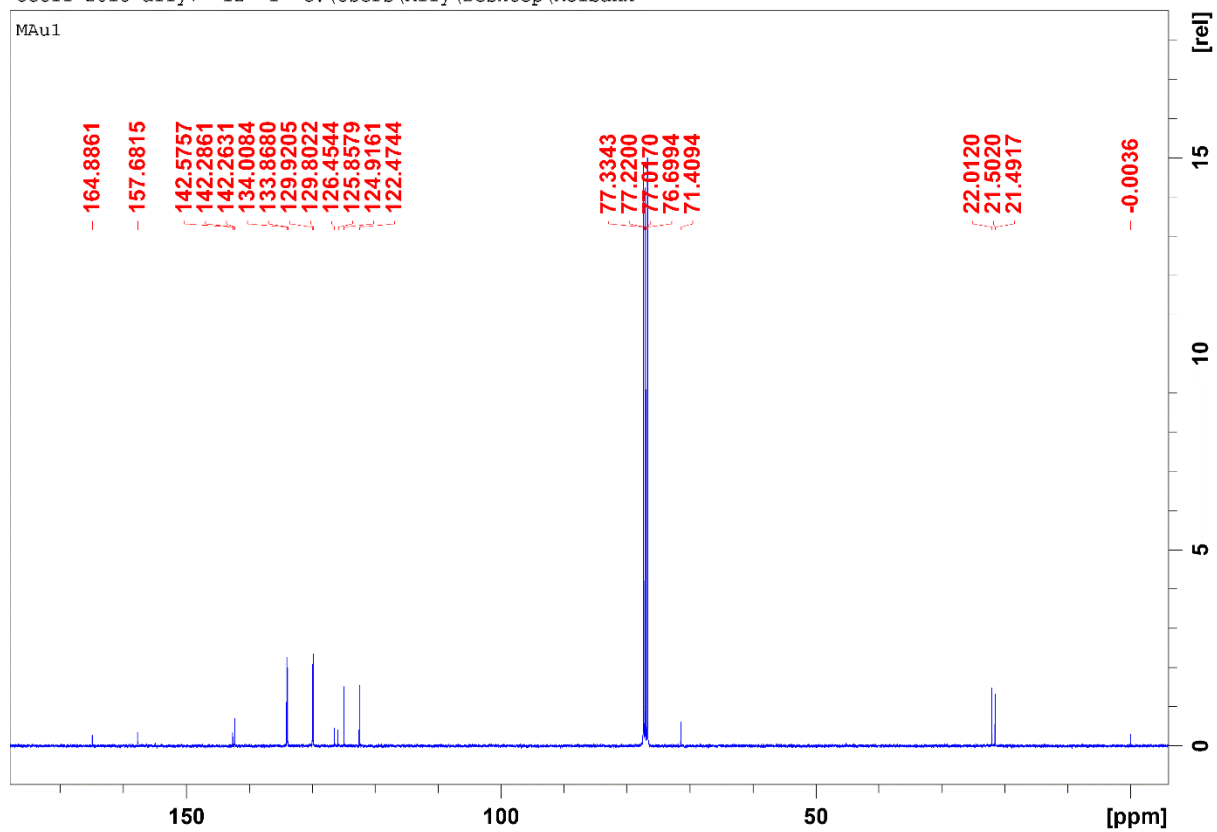
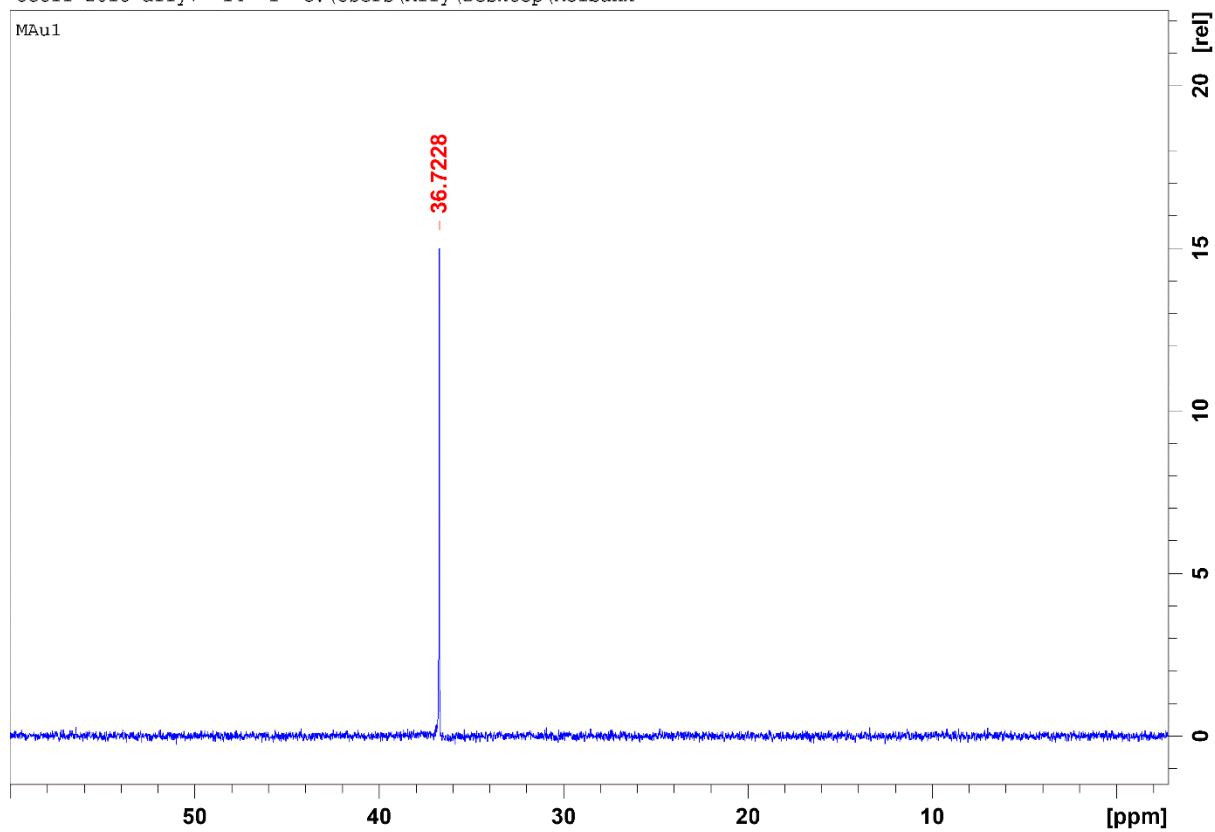
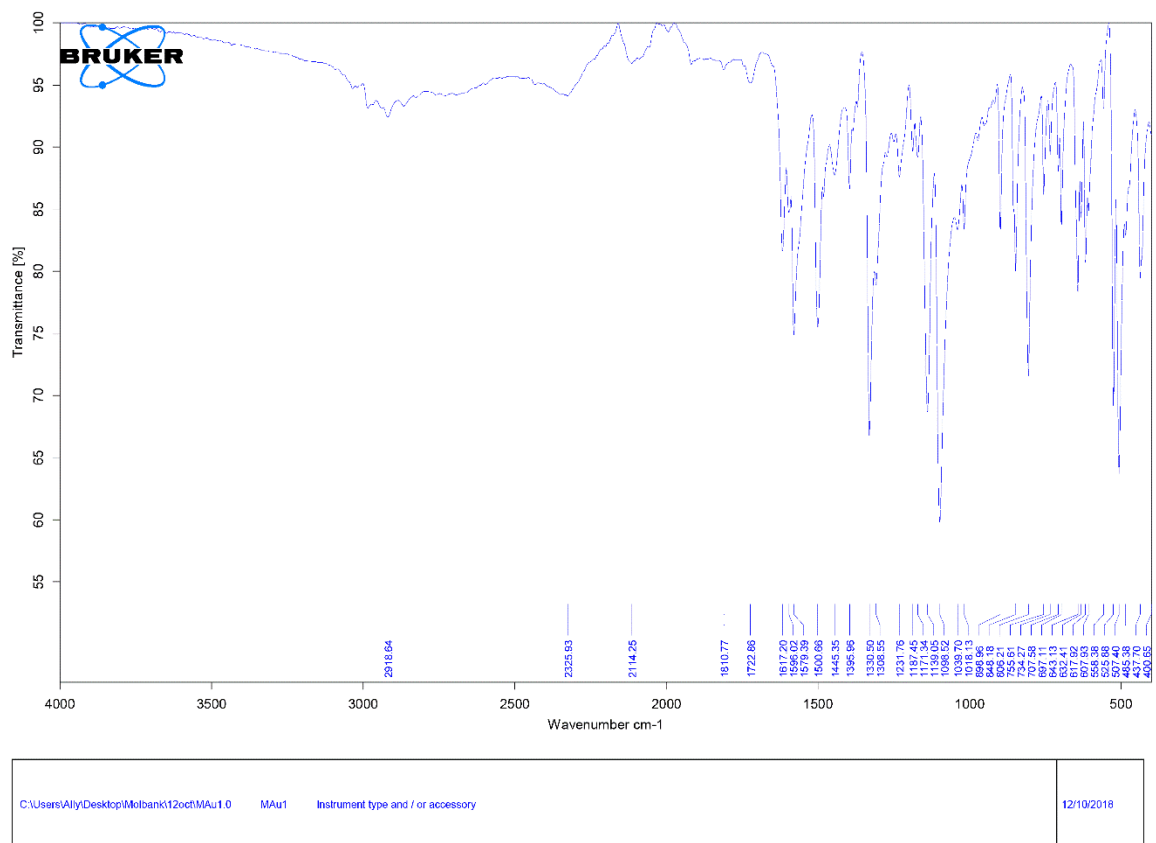


Figure S2.  $^{13}\text{C}\{^1\text{H}\}$  NMR spectrum of  $(4\text{-tolyl})_3\text{PAu}[\text{SC}(\text{O-}i\text{-Pr})=\text{NC}_6\text{H}_4\text{NO}_2\text{-4}]$  (1).

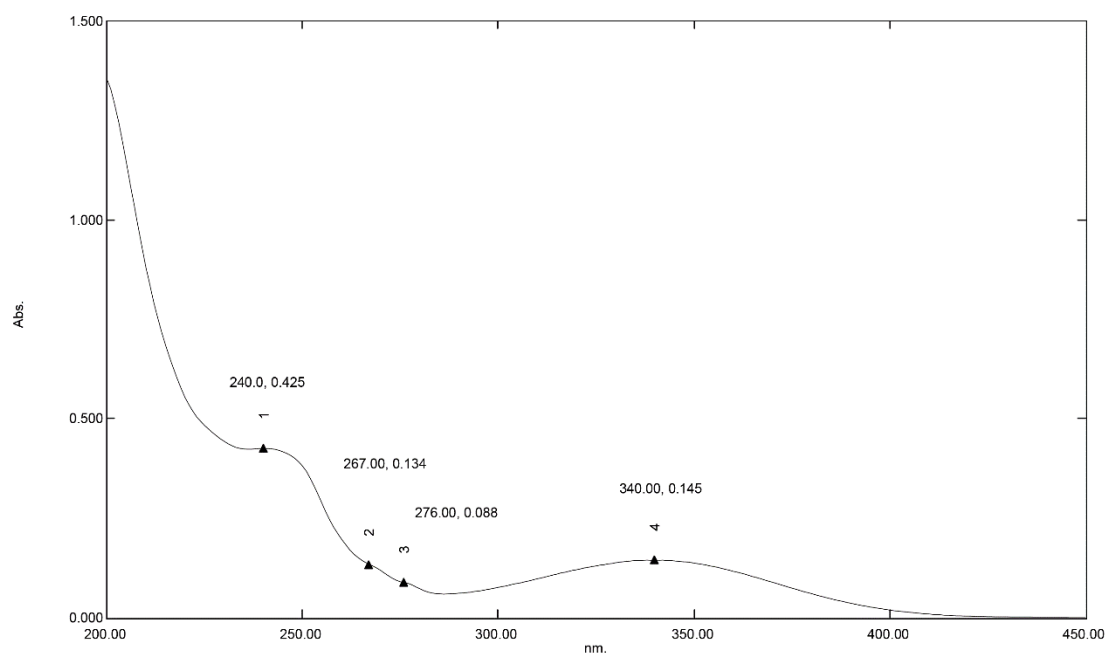


**Figure S3.**  $^{31}\text{P}\{^1\text{H}\}$  NMR spectrum of  $(4\text{-tolyl})_3\text{PAu}[\text{SC}(\text{O-}i\text{-Pr})=\text{NC}_6\text{H}_4\text{NO}_2\text{-4}]$  (**1**).



**Figure S4.** IR spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (1).

Data Set: MAu1.spc - RawData



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**Figure S5.** UV-vis spectrum of (4-tolyl)<sub>3</sub>PAu[SC(O-*i*-Pr)=NC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-4] (**1**).