

## *Supplementary Materials*

*Article*

# Multifunctional Silver(I) Complexes With Metronidazole Drug Reveal Antimicrobial Properties and Antitumor Activity Against Human Hepatoma and Colorectal Adenocarcinoma Cells

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### **contents:**

**Figure S1.** Crystals of  $[\text{Ag}_2(\text{MTZ})_4]\text{SO}_4 \cdot 5\text{H}_2\text{O}$  (microscopic image)

**Figure S3.** Crystals of  $[\text{Ag}_2(\text{MTZ})_4]\text{SO}_4 \cdot 5\text{H}_2\text{O}$  (real image enlarged)

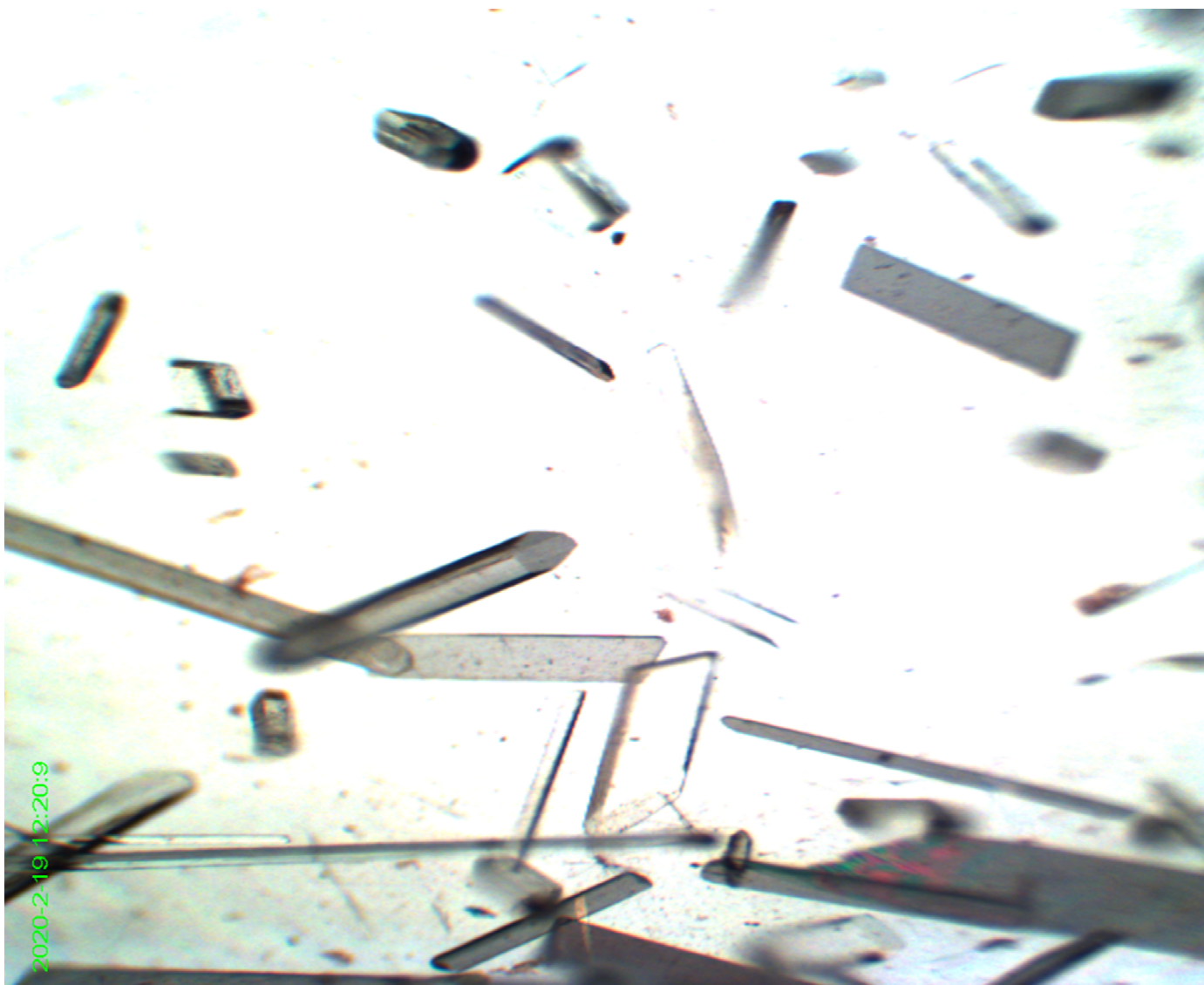
**Figure S3.**  $^1\text{H}$  NMR (600 MHz, DMSO) of metronidazole complex with silver(I) sulfate without (**a**) and with  $\text{D}_2\text{O}$  (**b**)

**Figure S4.**  $^{13}\text{C}$  NMR (600 MHz,  $\text{DMSO-d}_6$ ) of metronidazole complex with silver(I) sulfate

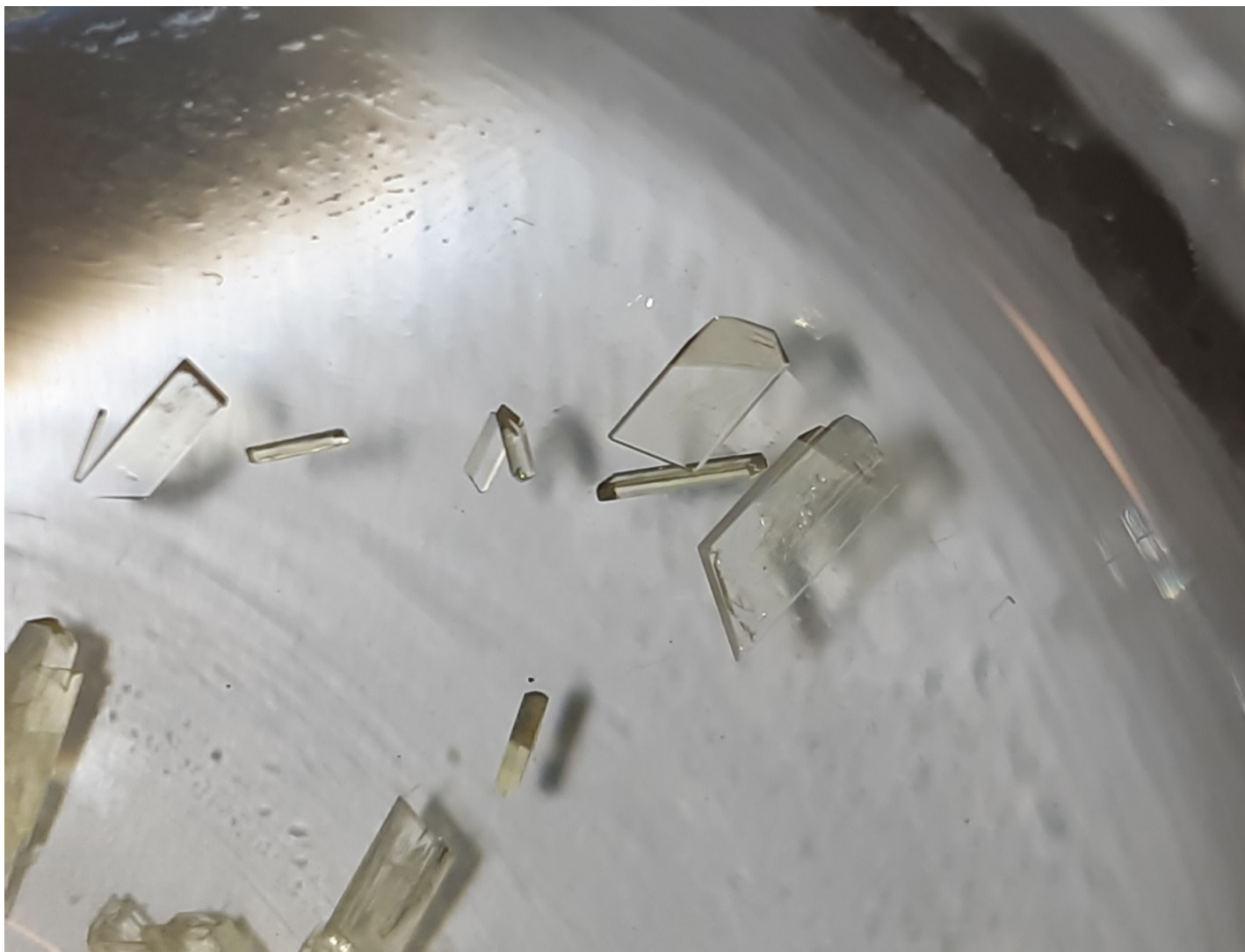
**Figure S5.** Paper (**a** - upper part) and tissue-paper (**b** - lower part) with applied solutions left in the **dark** and photographed after the time shown

**Figure S6.** Paper (**a** - upper part) and tissue-paper (**b** - lower part) with applied solutions left in the **daylight** and photographed after the time shown

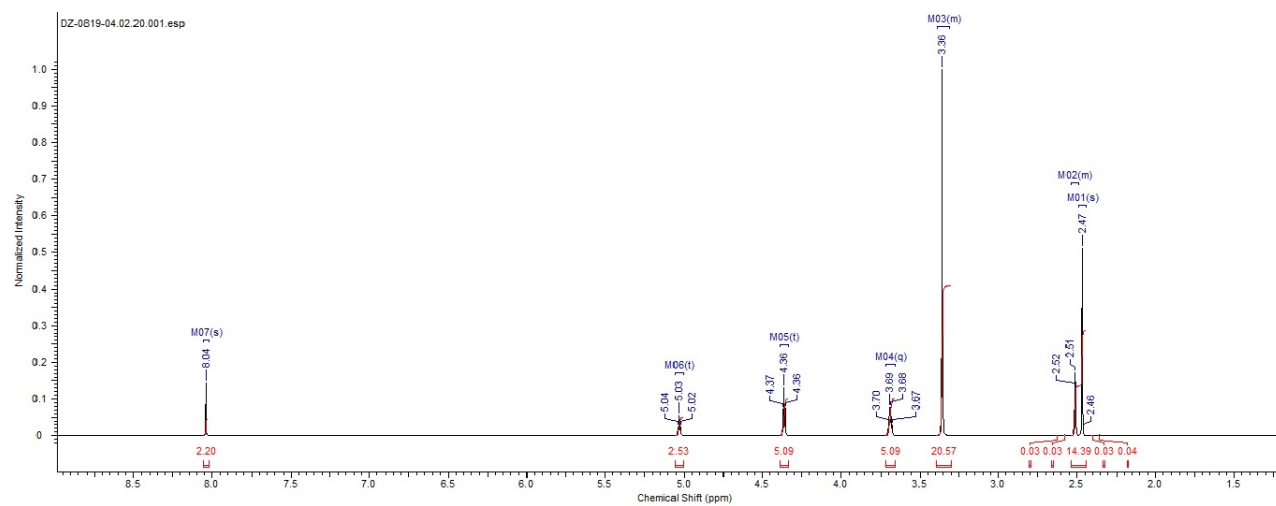
**Figure S7.** Paper (**a** - upper part) and tissue-paper (**b** - lower part) with applied solutions left in the **UV-A rays** and photographed after the time shown



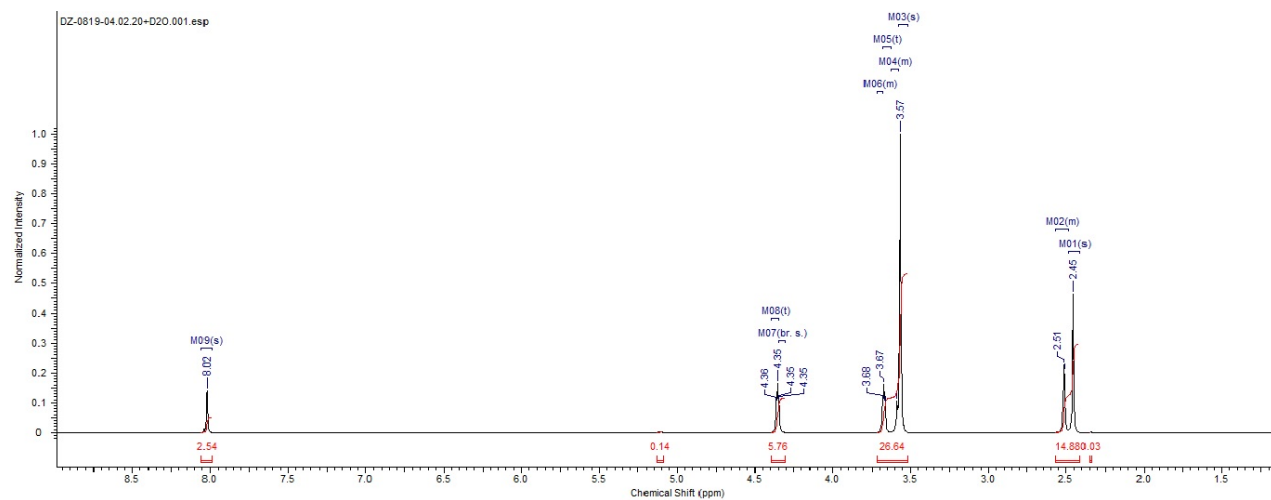
**Figure S1.** Crystals of  $[\text{Ag}_2(\text{MTZ})_4]\text{SO}_4 \cdot 5\text{H}_2\text{O}$  (microscopic image)



**Figure S2.** Crystals of [Ag<sub>2</sub>(MTZ)<sub>4</sub>]SO<sub>4</sub>·5H<sub>2</sub>O (real image enlarged)

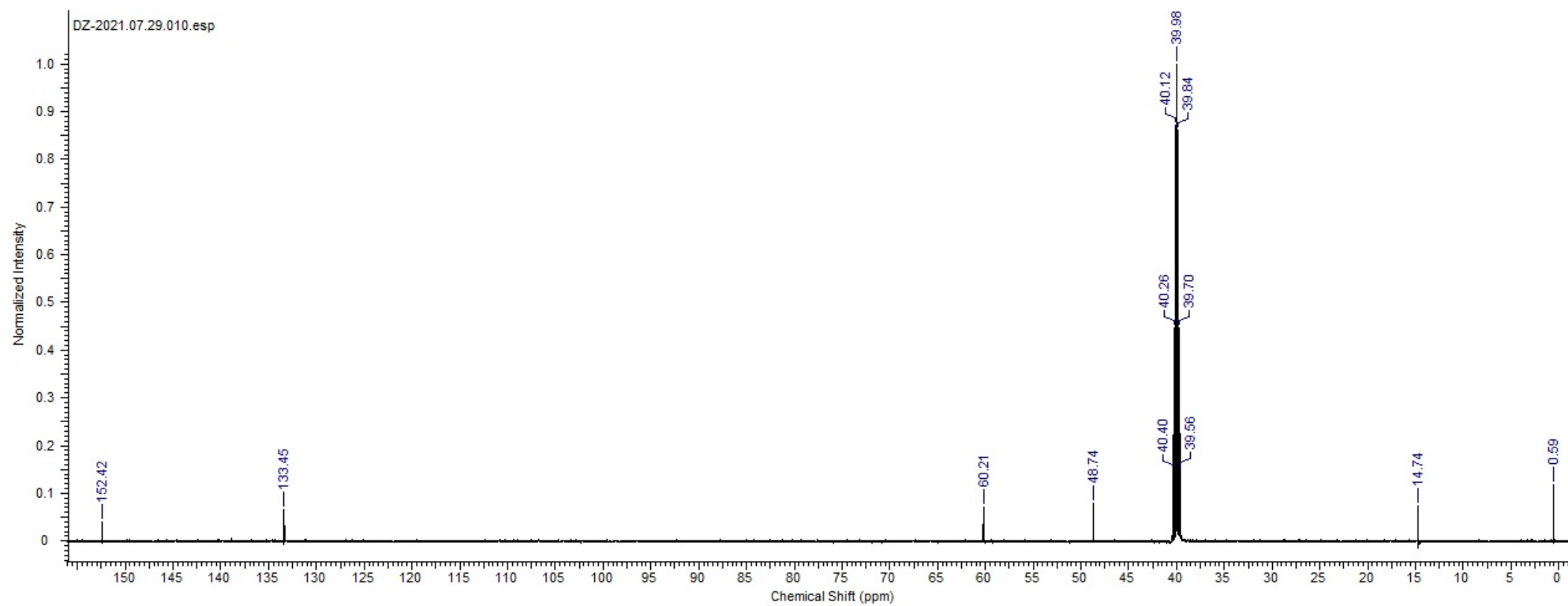


(a)



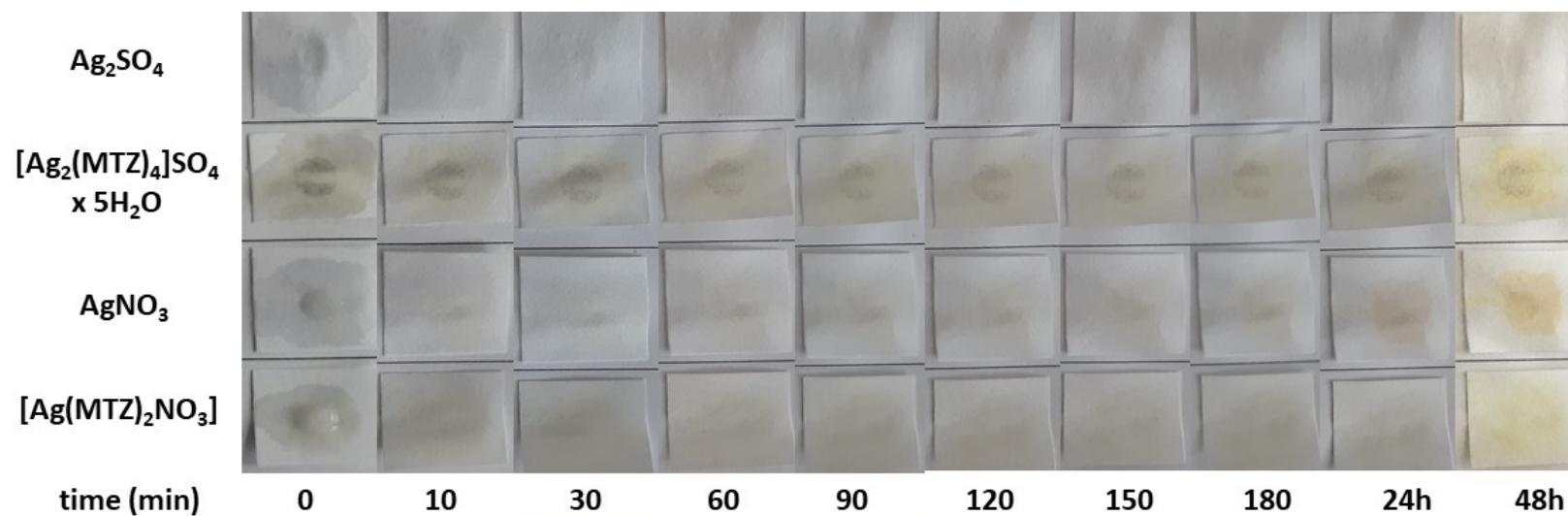
(b)

**Figure S3.**  $^1\text{H}$  NMR (600 MHz, DMSO) of metronidazole complex with silver(I) sulfate without (a) and with  $\text{D}_2\text{O}$  (b)



**Figure S4.**  $^{13}\text{C}$  NMR (600 MHz,  $\text{DMSO-d}_6$ ) of metronidazole complex with silver(I) sulfate

(a)



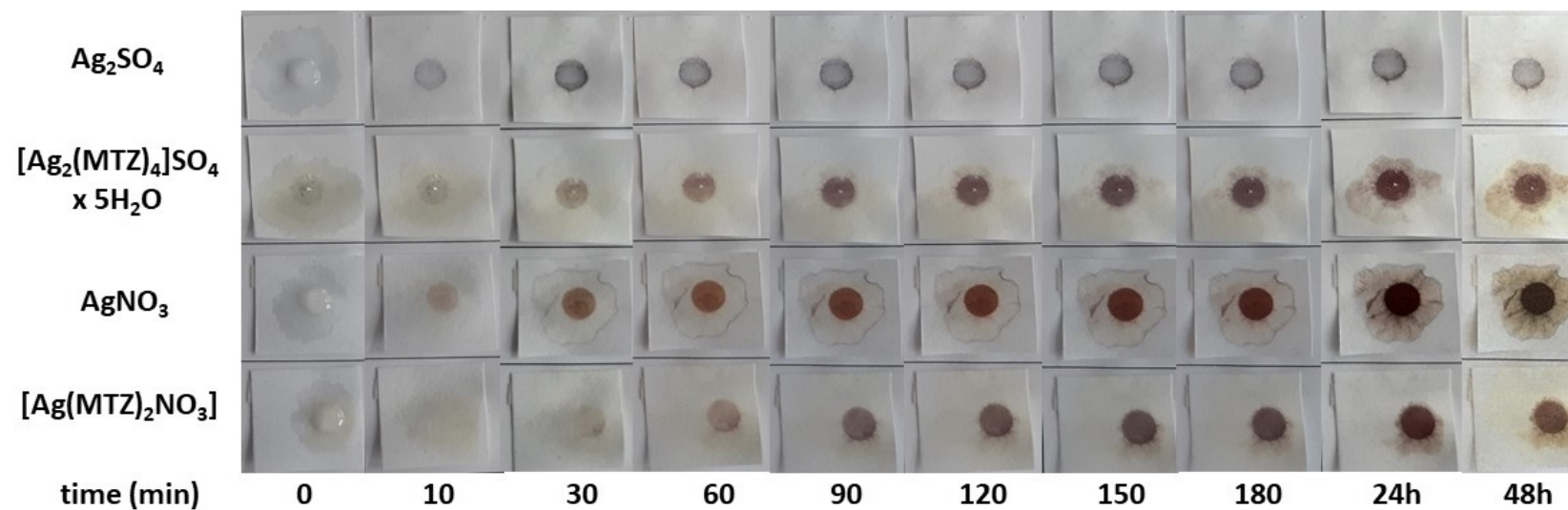
(b)



Figure S5. Paper (a - upper part) and tissue-paper (b - lower part) with applied solutions left in the dark and photographed after the time shown



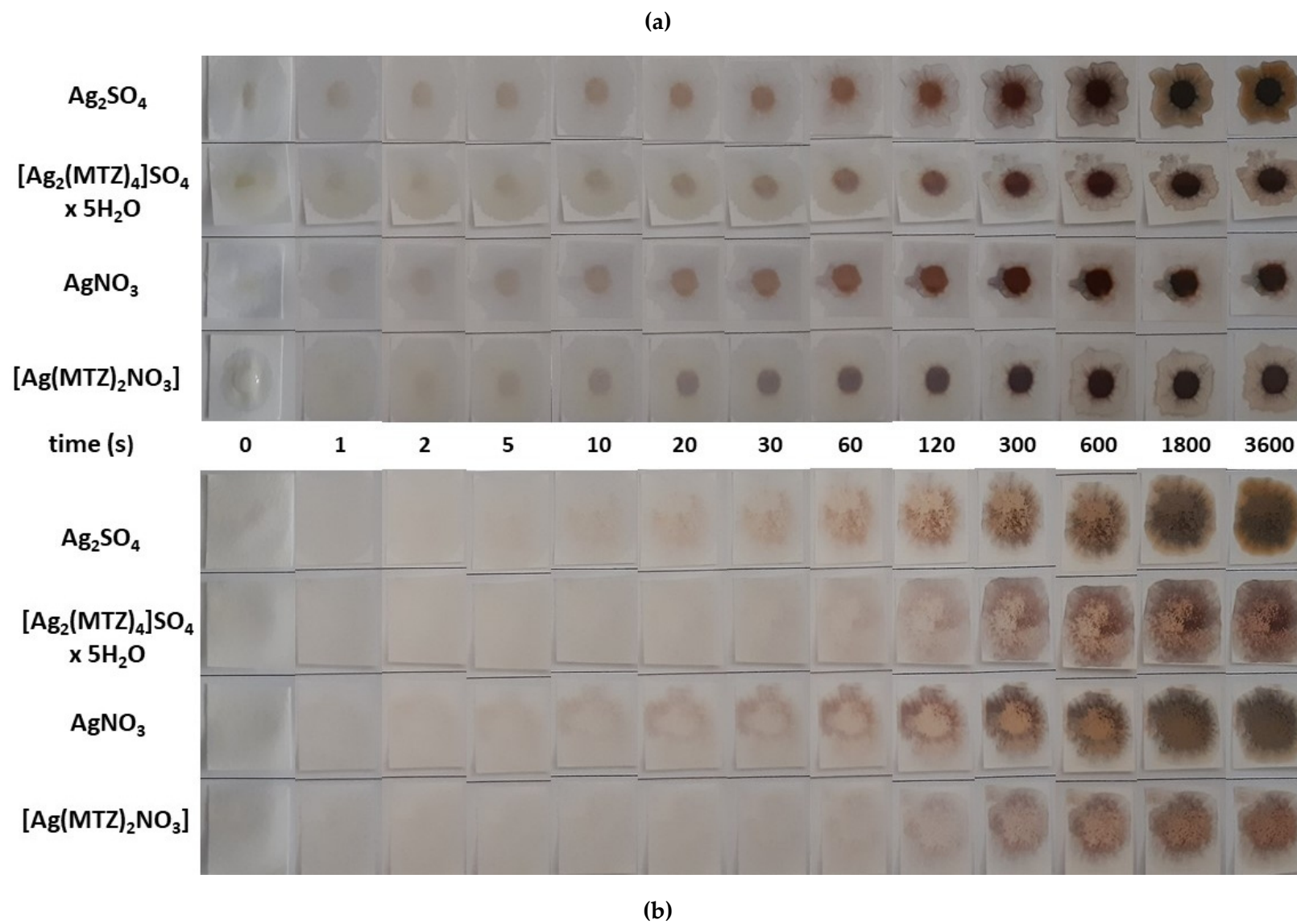
(a)



(b)



Figure S6. Paper (a - upper part) and tissue-paper (b - lower part) with applied solutions left in the **daylight** and photographed after the time shown



**Figure S7.** Paper (a - upper part) and tissue-paper (b - lower part) with applied solutions left in the **UV-A rays** and photographed after the time shown