

## Supplementary Materials

# Evolution of Gold and Iron Oxide Nanoparticles in Conjugates with Methotrexate: Synthesis and Anticancer Effects

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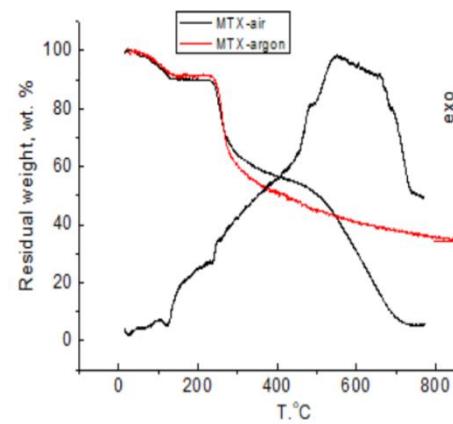


Figure S1. TGA and DTA curves for MTX in air and argon.

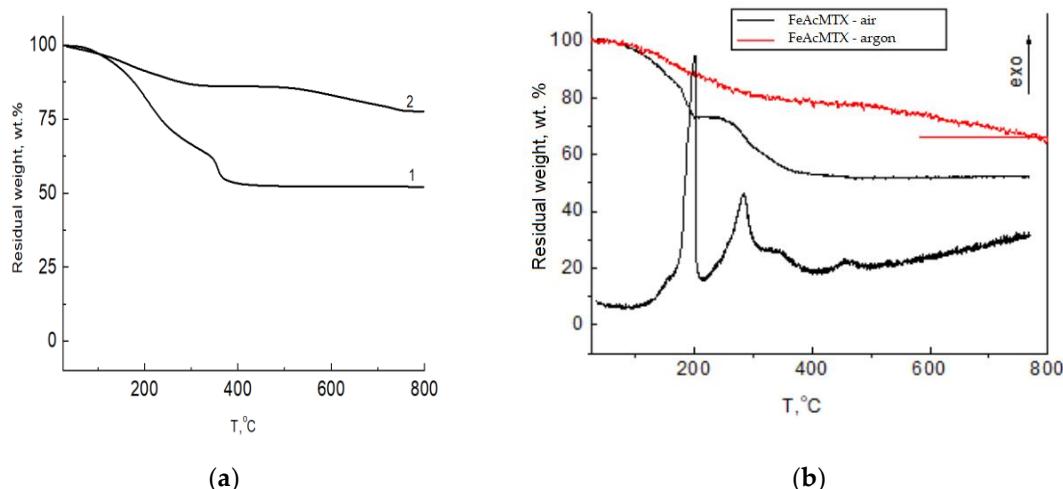
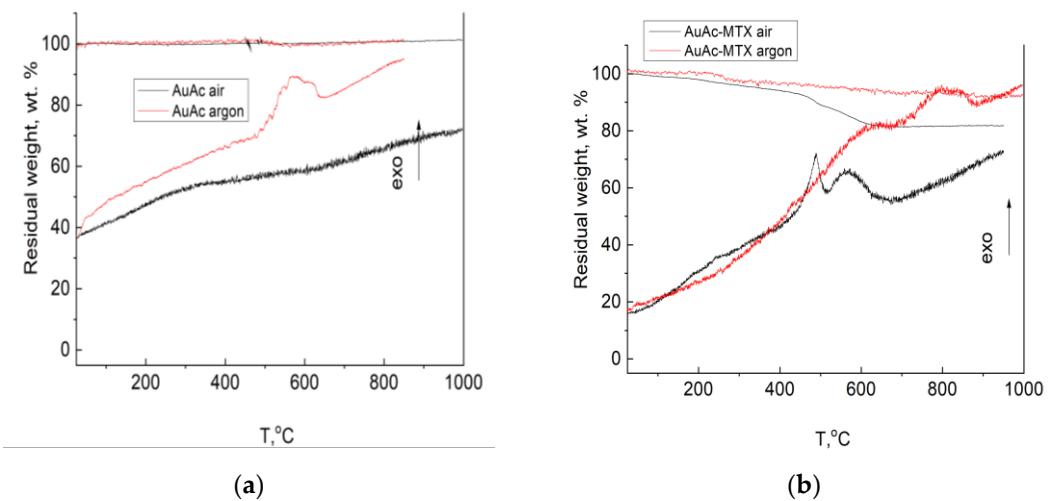
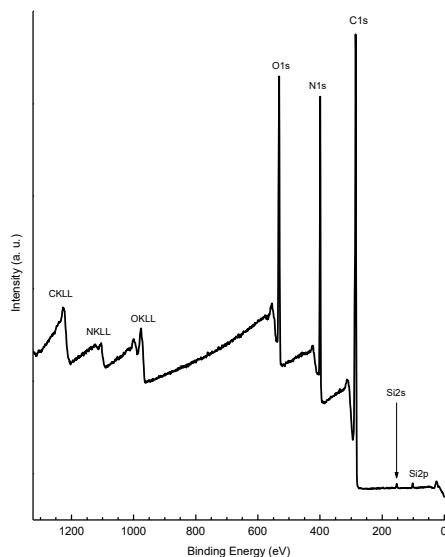


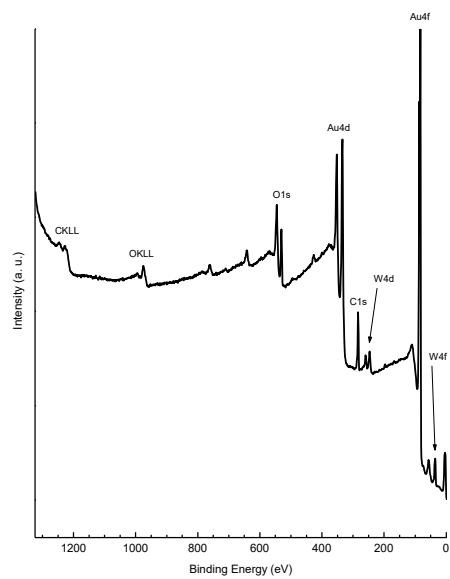
Figure S2. TGA and DTA curves in air and argon: (a) for FaAc (1 - air, 2 - argon); (b) for FeAcMTX.



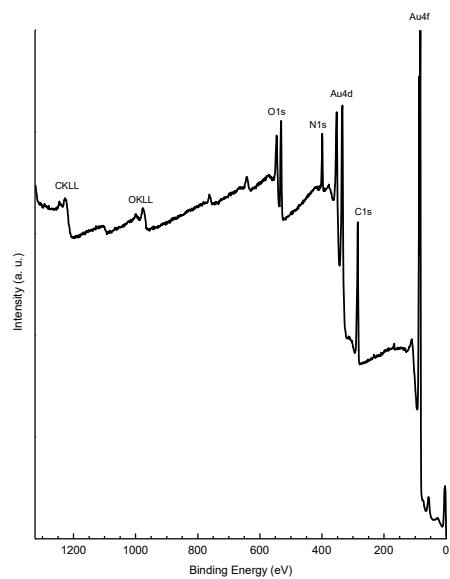
**Figure S3.** TGA and DTA curves in air and argon: (a) for AuAc; (b) for AuAcMTX.



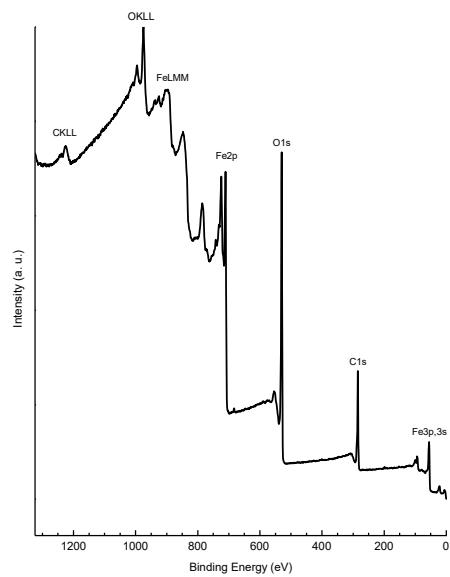
**Figure S4.** Survey XPS spectra of the MTX sample.



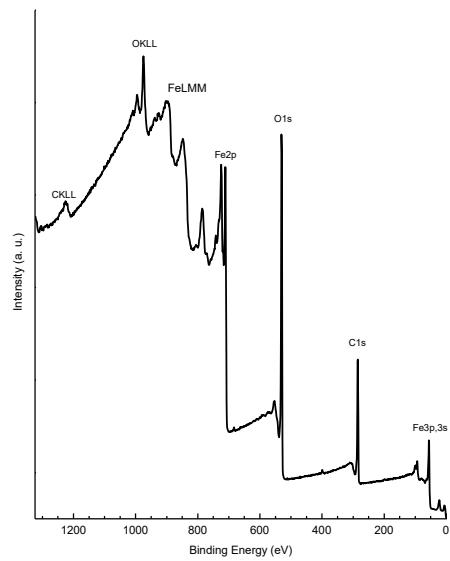
**Figure S5.** Survey XPS spectra of the AuAc sample.



**Figure S6.** Survey XPS spectra of the AuAcMTX sample.



**Figure S7.** Survey XPS spectra of the FeAc sample.



**Figure S8.** Survey XPS spectra of the FeAcMTX sample.