

Table S1. Z-average size (nm) and PDI result of GO, and MTX/FA/GO drug delivery system. GO: Graphene oxide, MTX: Methotraxade, FA: Folic acid, PDI: Polydispersity index, respectively.

| Samples | Z-average size (nm) | PDI |
|----------------|----------------------------|------------|
| GO | 756,66±8,56 | 0,28±0,01 |
| MTX/FA/GO | 1070±10,41 | 0,35±0,03 |