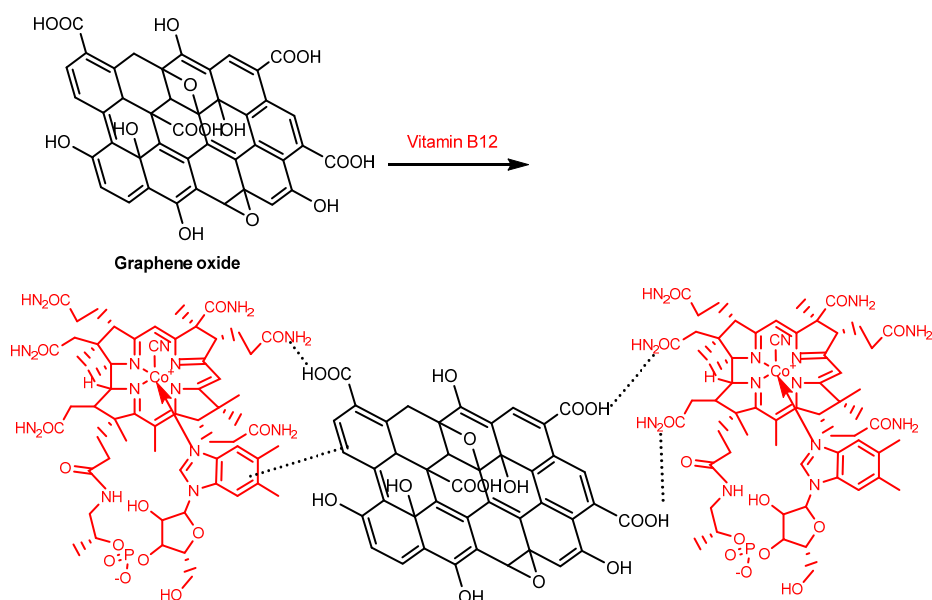
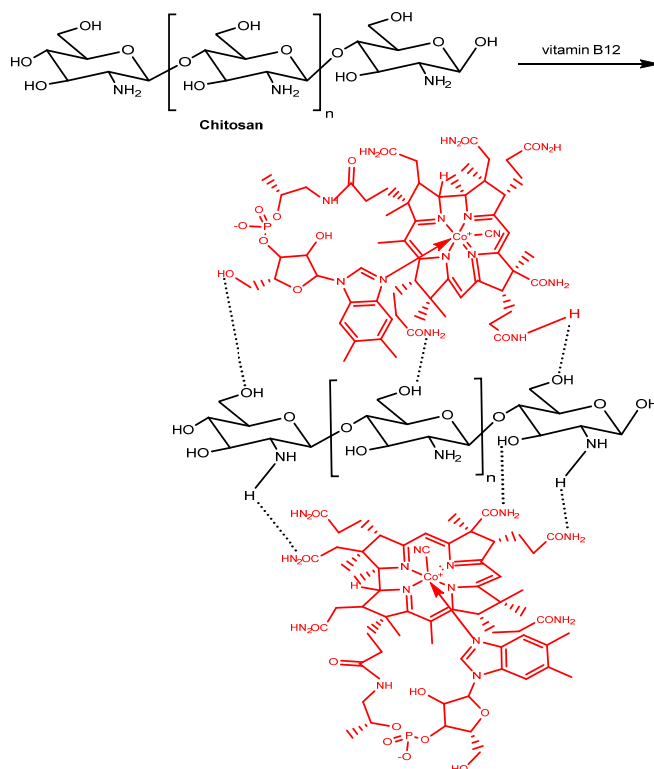


### Supplementary Data

This supplementary data is a part of a paper entitled “Graphene Oxide Functionalized Based on Dispersive Solid Phase Extraction of Vitamin B12 Spectrophotometric Determination in Pharmaceutical Samples”.



**Fig S1.** Hypotheses for the adsorption of VB12 on the surface of GO



**Fig S2.** Hypotheses for the adsorption of VB12 on the surface of CTS

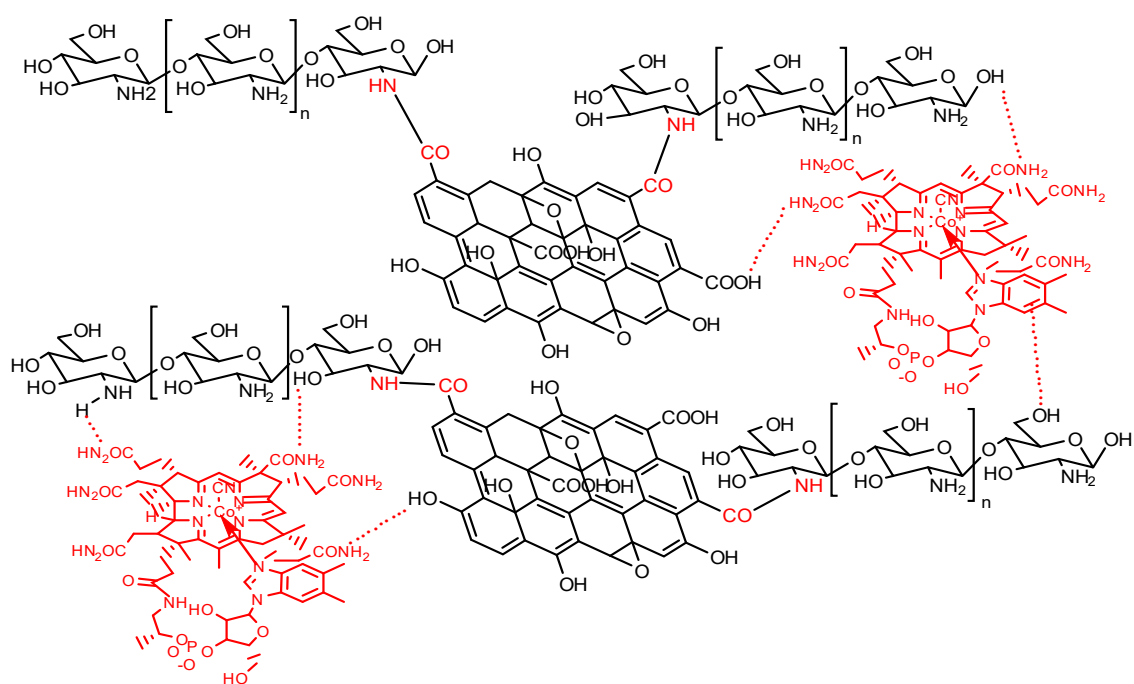


Fig S3. Hypotheses for the adsorption of VB12 on the surface of the GO/CTS composite

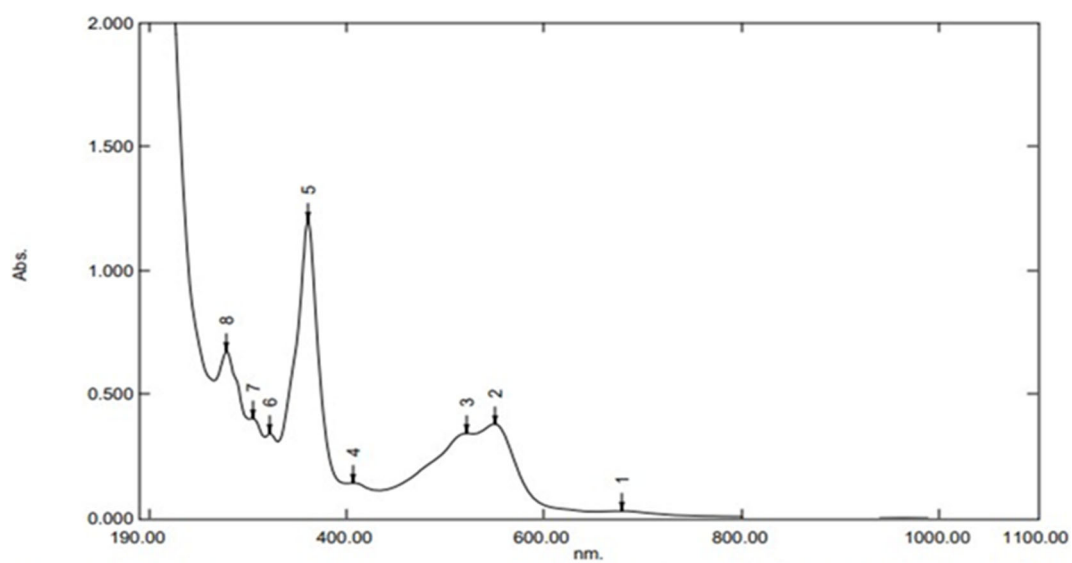


Fig S4. Absorption spectrum of vitamin B12

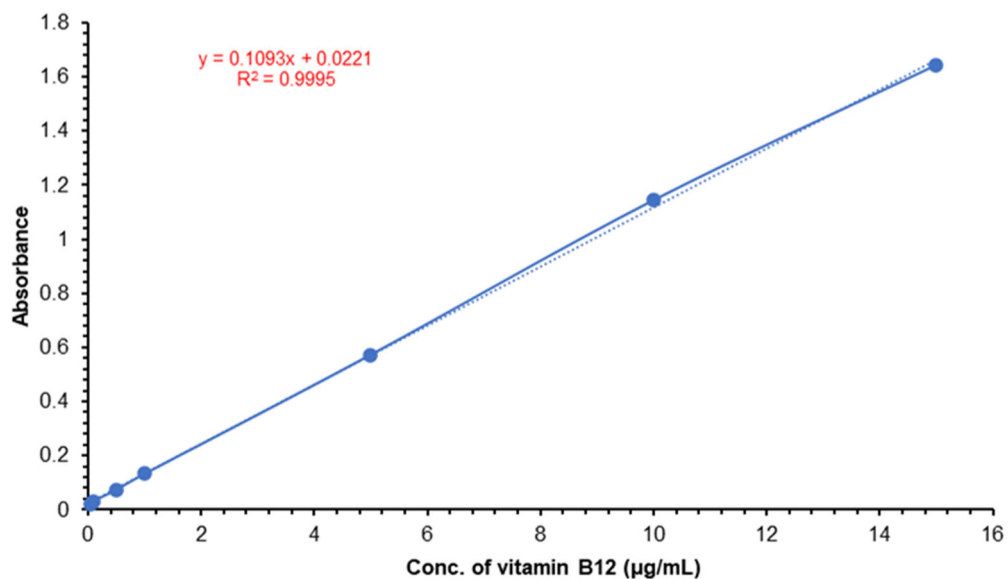


Fig S5. Calibration curve of vitamin B12 after extraction by GO

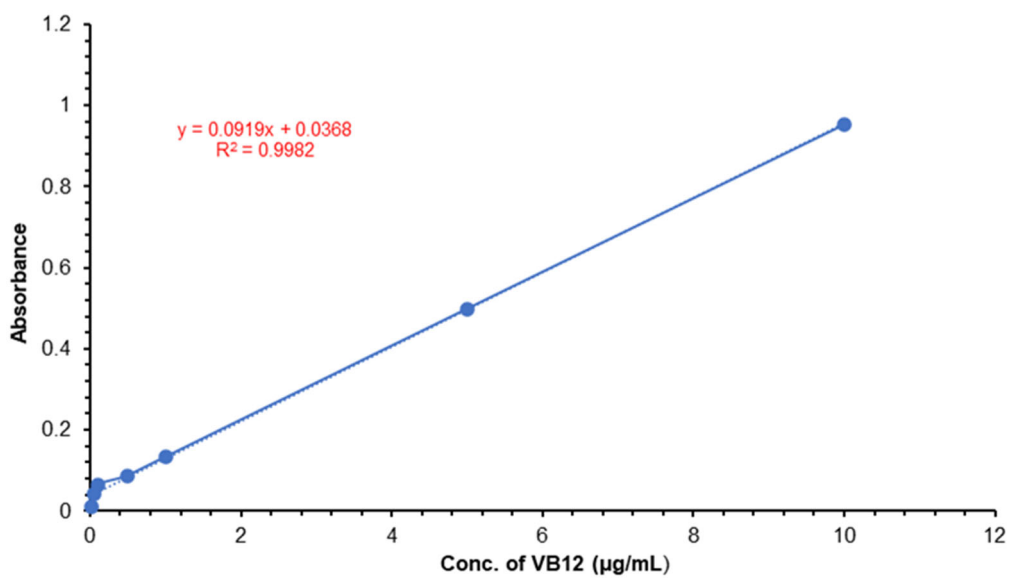


Fig S6. Calibration curve of vitamin B12 after extraction by CTS

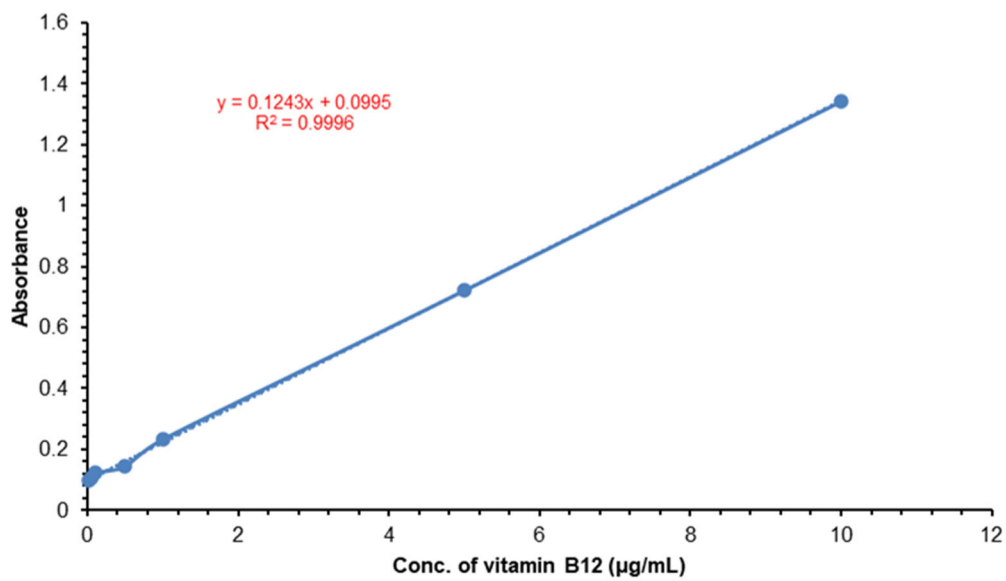


Fig S7. Calibration curve of vitamin B12 after extraction using GO/CTS