Supplementary file 1

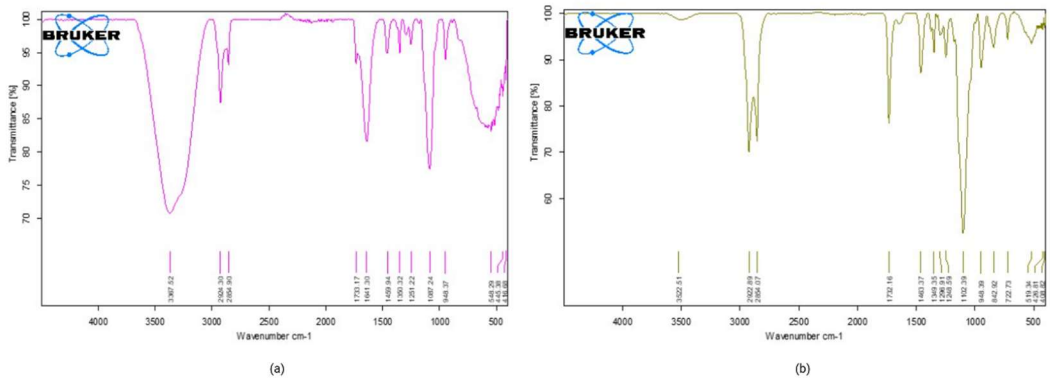

Figure S1. FTIR spectrum of: (a) At-Cu LNCs, (b) FA-At-Cu LNCs, with evidence of successful folic acid chemical conjugation demonstrated by complete disappearance of the characteristic free carboxylic acid peak of FA at 2500-3500 cm^{-1} in the FA-At-Cu LNCs spectrum, indicating its participation in covalent bond formation, as well as the decreased broad O–H stretching band of Solutol at 3371.71 cm^{-1} in the FTIR spectrum of FA-At-Cu LNCs, suggesting involvement in ester bond formation with FA.