**Ag nanoparticles immobilized on guanidine modified-KIT-5 mesoporous nanostructure: Evaluation of its catalytic activity for synthesis of propargylamines and investigation of its antioxidant and anti-lung cancer effects**

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**Fig. S1.** FT-IR spectra of (a) KIT-5, (b) KIT-5-NH2, (c) KIT-5-bigua and (d)KIT-5-bigua-Ag nanocomposite.