**Glutathione coated magnetic nanoparticles for one-pot synthesis of 1,4-dihydropyridine derivatives**

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**Fig. S1.** FT-IR spectra of Fe3O4 (KBr disk) (**a**), glutathione (**b**), and Fe3O4@glutathione (KBr disk)



**Fig. S2.** X-Ray diffraction pattern for the Fe3O4@glutathione



**Fig. S3.** TEM image of Fe3O4@glutathione



**Fig S4.** TGA of nano Fe3O4@glutathione



**Figure S5.** Vibrating sample magnetometry curves: (a) Fe3O4; (b) nano Fe3O4@glutathione

To verify the immobilization of modified Fe3O4, CHNS elemental analysis of the catalyst was conducted. The result confirms (C, 5.28%; N, 2.54%; H, 1.94%, S, 1.29% ) a large amount of organic groups was loaded onto the Fe3O4