

Table S-1

Specific surface area (a_s), total pore volume (v_p), and average pore diameter (r_p) of pure SiO_2 , MWCNTs modified SiO_2 and Nbim functionalized MWCNTs/ SiO_2

Different particles	Parameters		
	a_s ($\text{m}^2 \text{g}^{-1}$)	v_p ($\text{cm}^3 \text{g}^{-1}$)	r_p (Å)
Pure SiO_2	544.8334	0.794891	47.768
Nbim modified SiO_2	366.0669	0.461915	42.858

Table S-2

optimum condition of extraction procedure of the developed method

optimum condition	Extraction material	Sample solution pH	Sample loading rate (mL min^{-1})	Eluent	Volume of eluent (mL)	Elution rate (mL min^{-1})	Volume of sample loading (mL)
	Nbim-modified silica	4	1.5	1% $\text{CH}_3\text{COOH}-\text{CH}_3\text{OH}$ (V:V)	1	0.5	30

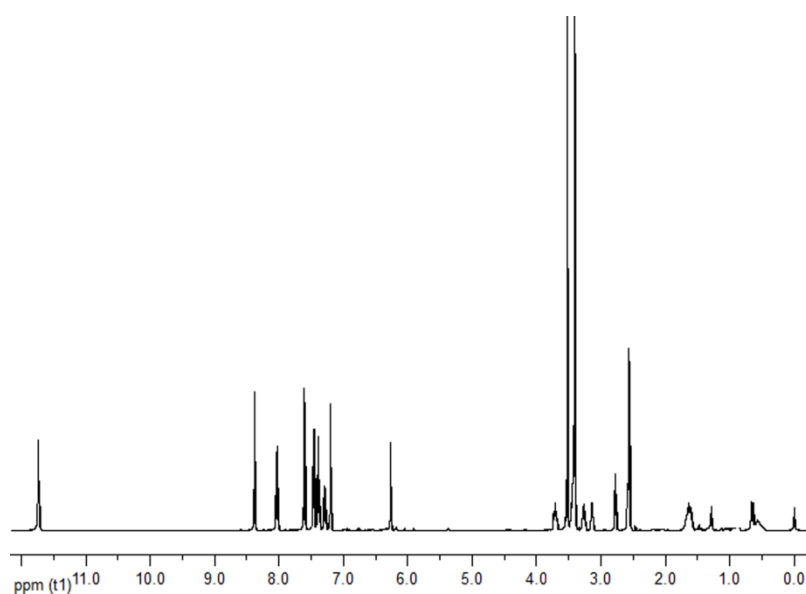


Fig. S-1 ^1H NMR spectrum of the product of the first step of Fig. 2(a)

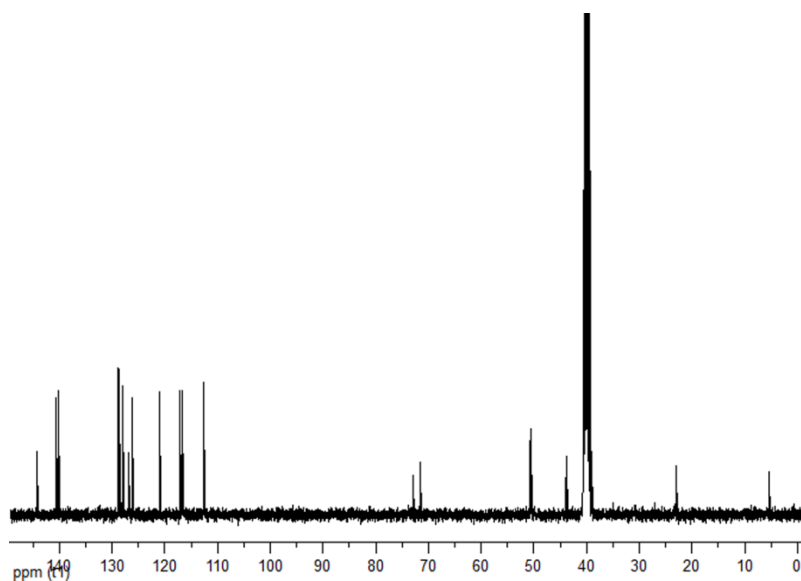


Fig. S-2 ^{13}C NMR spectrum of the product of the first step of Fig. 2(a)

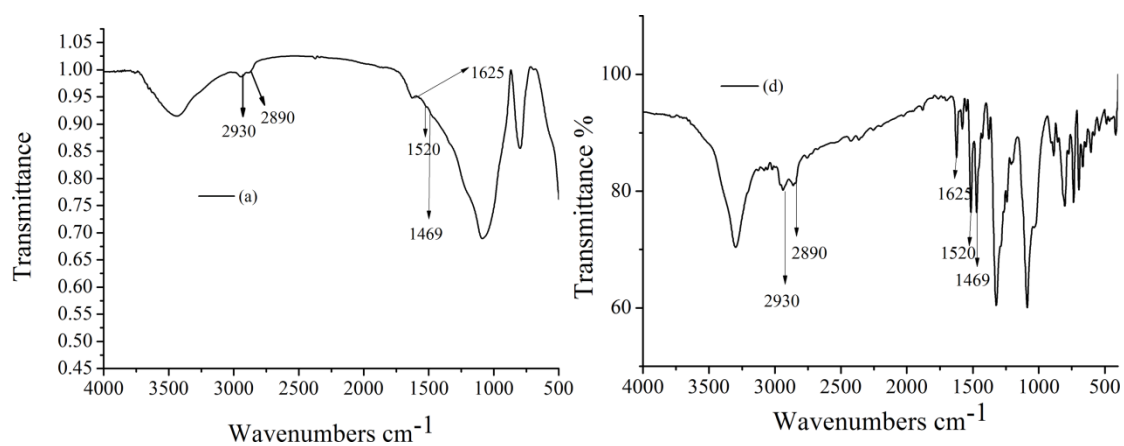


Fig. S-3 FT-IR of Nbim-modified silica (a), the product of the first step of fig. 2(a) (d).