

Electronic Supplementary Material

Two preparation methods of hybrid-monomers double templates molecularly imprinted polymers for purification of green tea extracts

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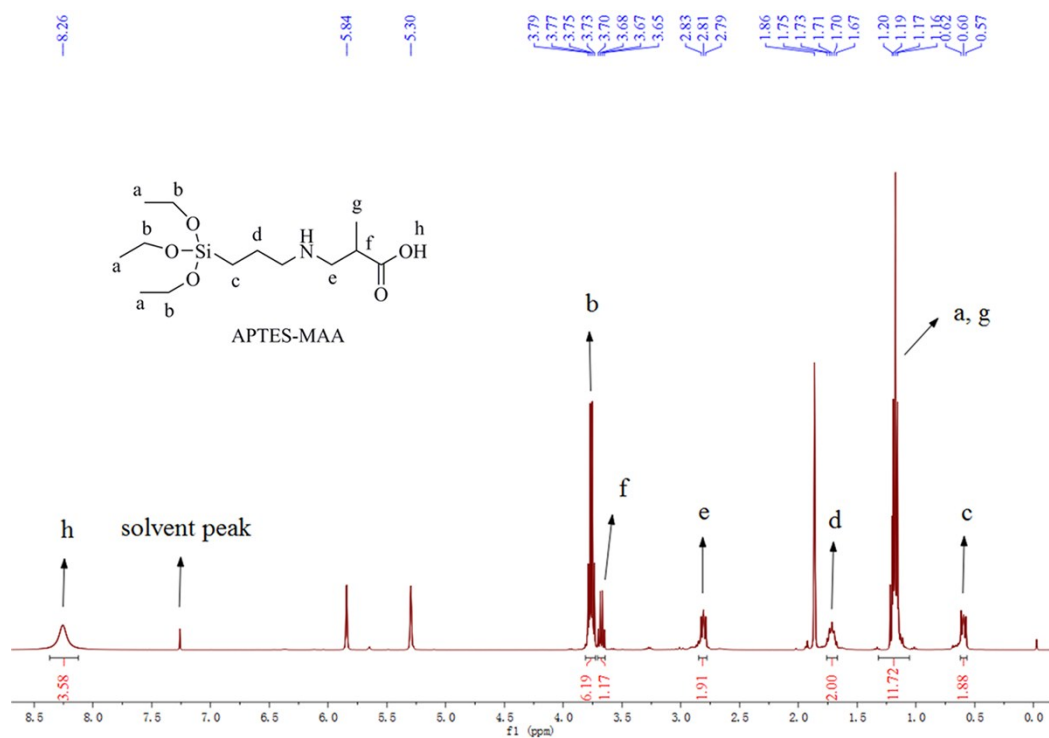
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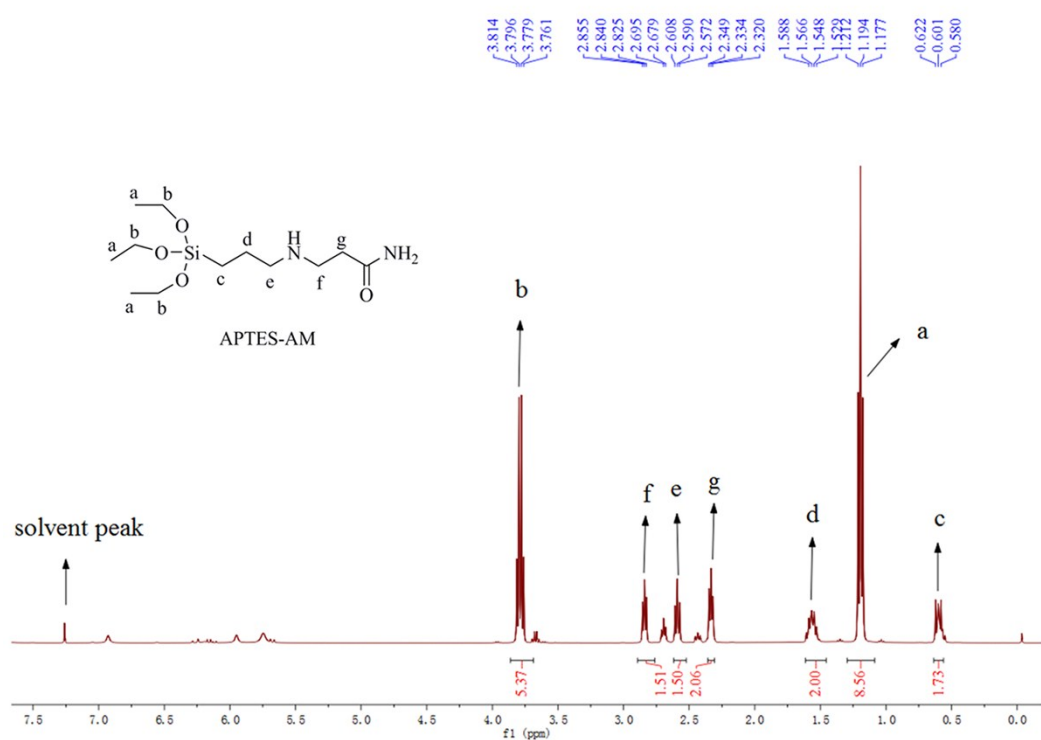
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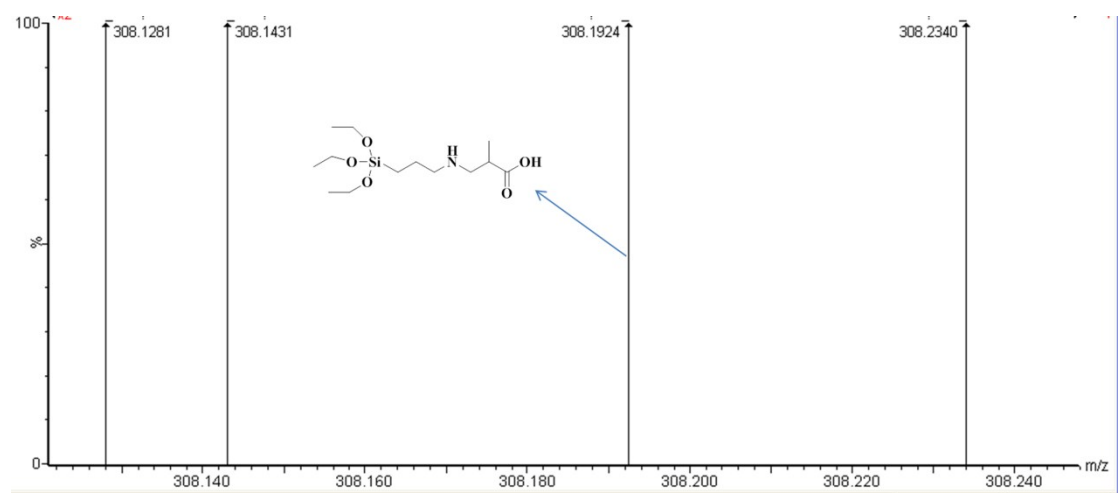


(a)

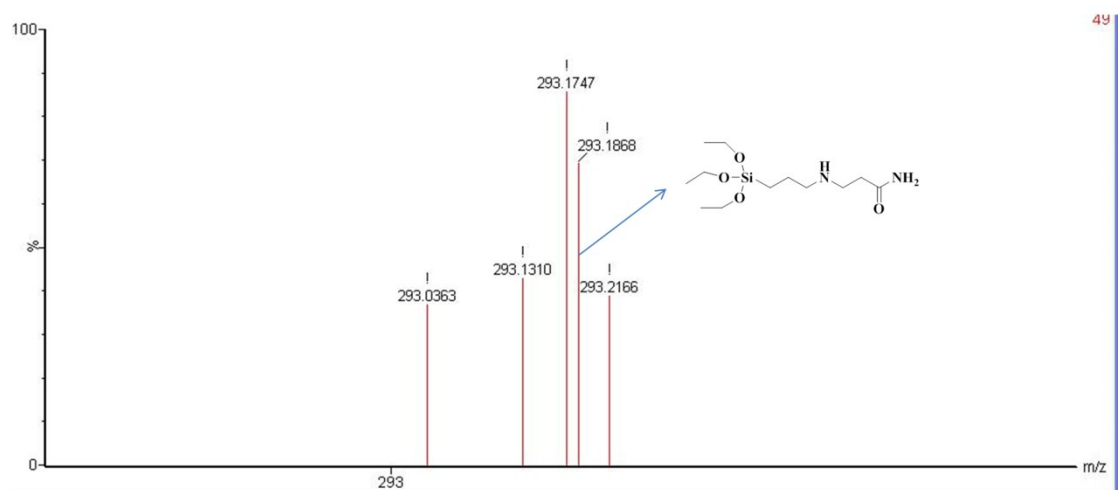


(b)

Fig.S1. ¹H NMR spectra of APTES-MAA (a) and APTES-AM (b)



(a)



(b)

Fig.S2. Mass spectrometry spectrogram of APTES-MAA (a) and APTES-AM (b)

Table S1 Adsorption isotherm parameters of the HDMIPs for theophylline and quercetin

Analytes	Polymers	Adsorption isotherm Equation No.								
		(2)			(3)			(4)		
		Parameters		r^2	Parameters		r^2	Parameters		r^2
		a	b		a	b		a	b	
Theophylline	HDMIPs ^a -1	0.9981	-13.4434	0.9674	0.1769	1.2842	0.9816	1.0888	-0.002	-0.125
	HDMIPs ^b -1	0.8927	-13.8119	0.9284	0.03503	1.5348	0.9674	0.0657	-0.002	-0.125
	HDMIPs ^a -2	1.4848	51.8154	0.9050	11.3155	0.6728	0.9576	288.0296	-6.3324	- 0.1111
	HDMIPs ^b -2	1.3179	40.6741	0.9372	8.0791	0.7077	0.9721	250.3315	-2.5717	- 0.1111
Quercetin	HDMIPs ^a -1	2.1535	-3.2724	0.9556	1.6552	1.0436	0.9561	3.5188	-0.002	-0.125
	HDMIPs ^b -1	2.0937	-18.8959	0.8368	0.0863	1.5297	0.8672	14.3147	-0.002	-0.125
	HDMIPs ^a -2	5.9139	27.7373	0.9956	8.8954	0.9334	0.9969	968.5842	-2.0926	- 0.1111
	HDMIPs ^b -2	4.2756	32.9700	0.9854	5.4533	0.9628	0.9847	33.7501	-0.002	-0.125