

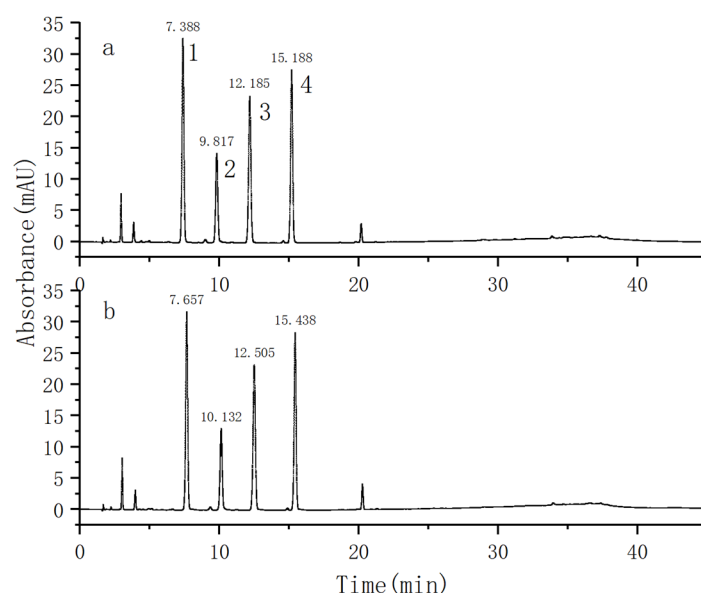
# Preparation and Characterization of Nano-Fe<sub>3</sub>O<sub>4</sub> and Its Application for C18-Functionalized Magnetic Nanomaterials Used as Chromatographic Packing Materials

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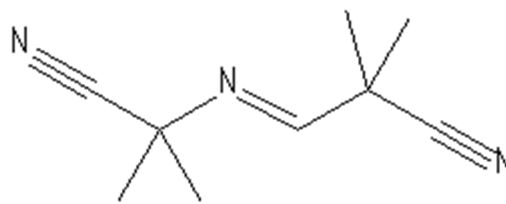
**Figure S1.** Chromatograms of the four sulfonamides: (1) sulfamethyldiazine; (2) sulfamethazine; (3) sulfamethoxypyridazine; and (4) sulfamethoxazole. (a) Diamonsil C18 (5 μm, 4.6 × 250 mm); (b) Self-made chromatographic column (5 μm, 4.6 × 250 mm).

**Table S1.** Chemical structure of reagents used for the preparation of C18@PS-DVB-Fe<sub>3</sub>O<sub>4</sub> particles.

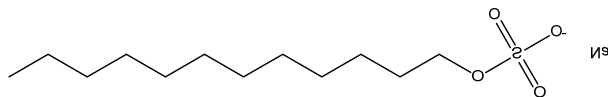
Number	Reagents	Chemical Structures
1	Styrene (ST)	
2	Oleic acid (OA)	
3	Divinylbenzene (DVB)	

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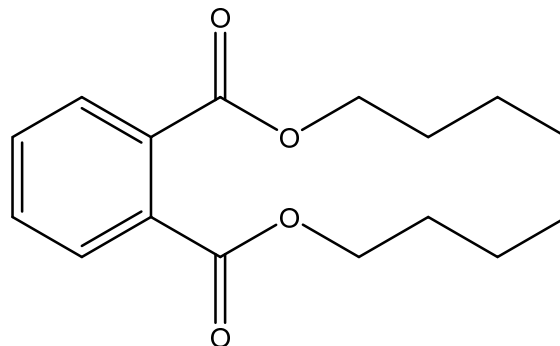
4      2,2'-Azobis(2-methylpropionitrile) (AIBN)



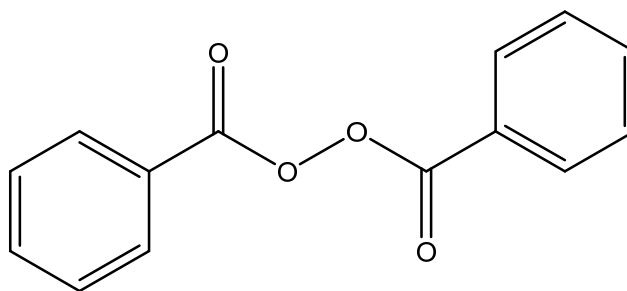
5      Sodium dodecyl sulfate (SDS)



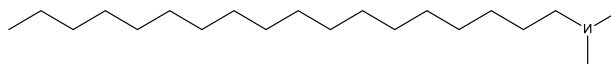
6      Dibutyl phthalate (DBP)



7      Benzoyl peroxide (BPO)



8      N, N-dimethyloctadecylamine



9      Glycidyl methacrylate (GMA)

