

Supplementary Information

Determination of fluoroquinolones in foods using ionic liquid modified Fe₃O₄/MWCNTs as the adsorbent for magnetic solid phase extraction coupled with HPLC

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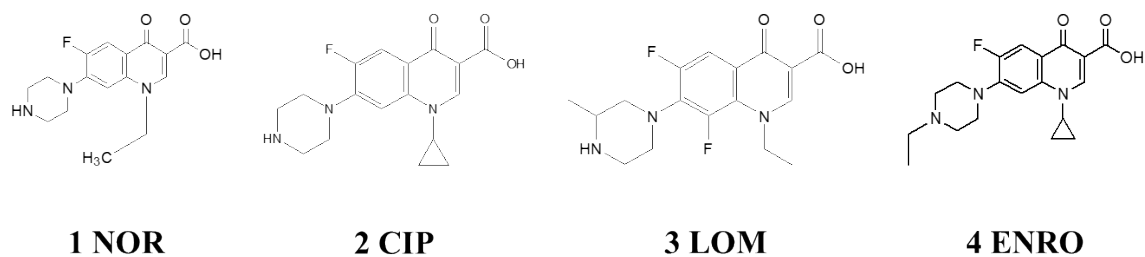
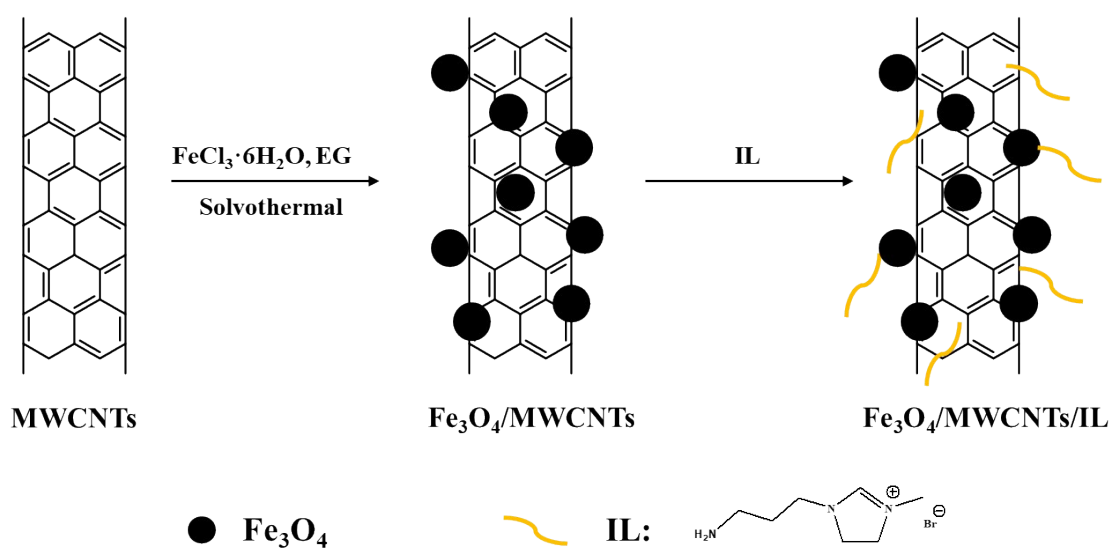


Figure S1 Structures of the studied FQs. 1, norfloxacin (NOR); 2, ciprofloxacin (CIP); 3, lomefloxacin (LOM); 4, enrofloxacin (ENRO)



Scheme. S1 Schematic of the synthesis of Fe₃O₄/MWCNTs/IL

Table S1 pK_a values of FQs and retention time in the HPLC

Compound	pK _a	Retention time(min)
NOR	6.22, 8.38	8.25
CIP	6.68, 8.63	9.22
LOM	6.56, 8.47	10.81
ENRO	6.68, 7.87	12.74