Supplementary Information

Adsorption efficiency enhancing of electrospun polycaprolactone nanofibers towards acidic polar drugs through the incorporation of a composite of graphene oxide nanosheets and Al30 polyoxocations: A comparative study

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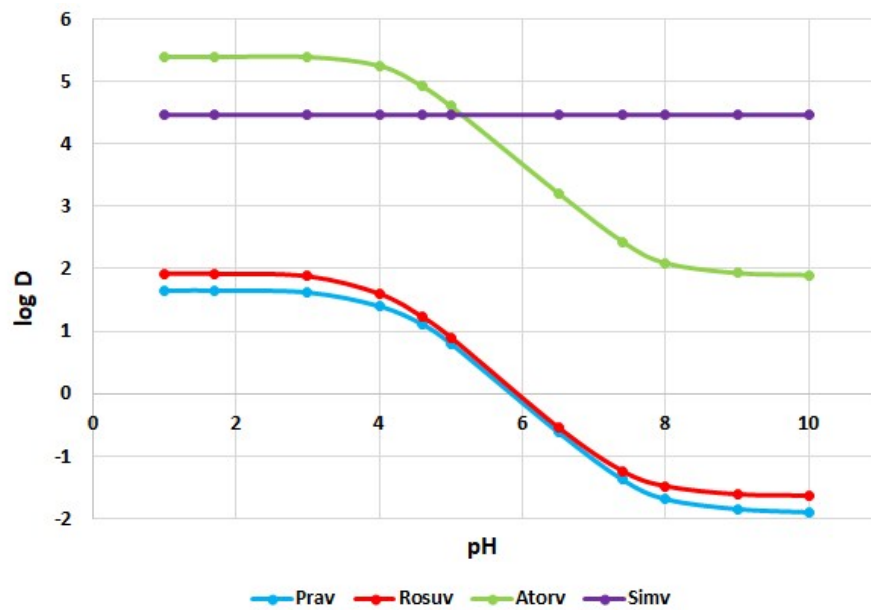*Email-address: Etahmasebi@iasbs.ac.ir

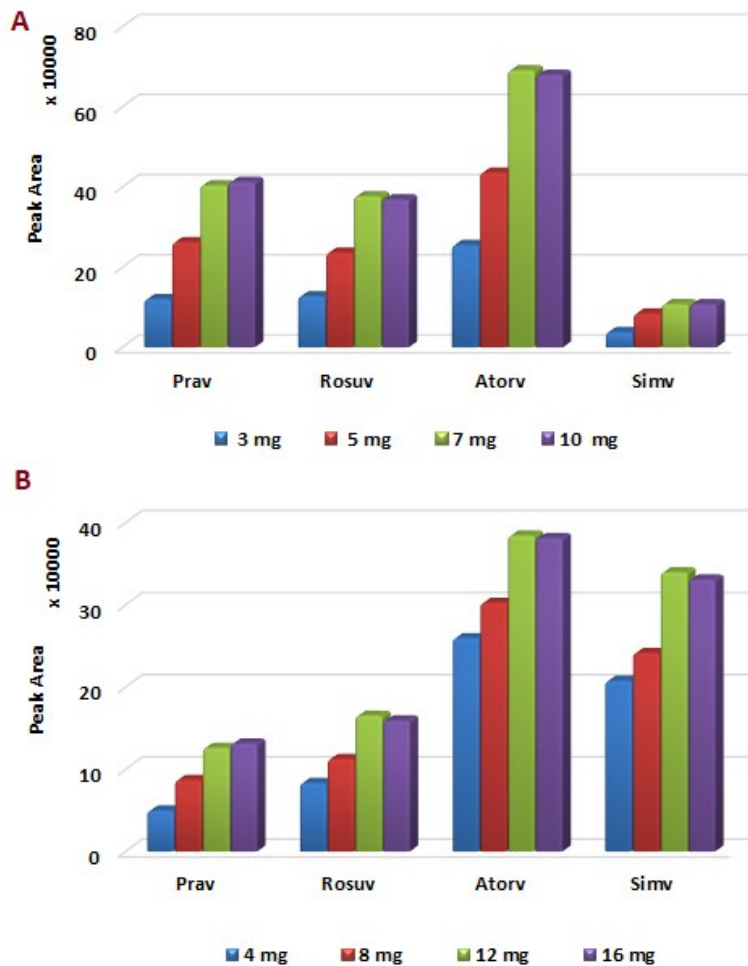Figure S1. Changes of the Log D values of the drugs at different pHs

Figure S2. Effect of sorbent amount on extraction efficiency of (a) DSPE and (b) ISPE; Extraction conditions: sample solution, 50 mL of 100 μg L^{-1} target drugs at pH = 5; eluent: 300 μL of methanol-0.2 M phosphate solution (pH = 5) 70:30; extraction time, 10 min; desorption time, 2 min.
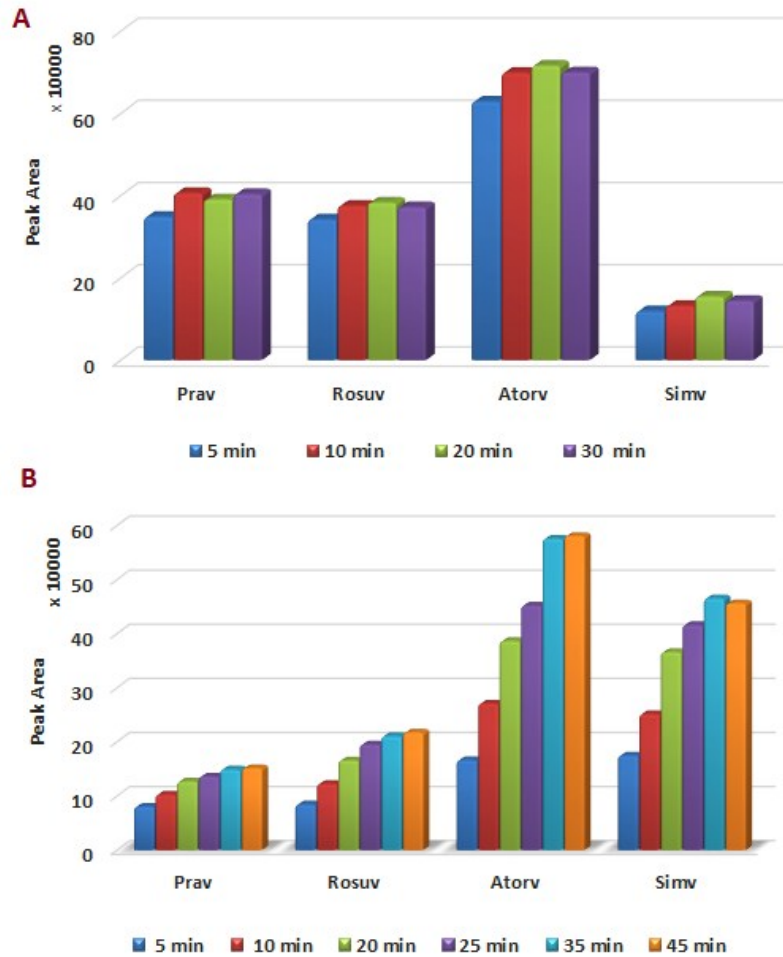
Figure S3. Effect of extraction time on extraction efficiency of (a) DSPE and (b) ISPE; Extraction conditions: sample solution, 50 mL of 100 µg L^{-1} target drugs at pH = 5; 7 mg of GO/Al$_{30}$NC for DSPE and 12 mg of GO/Al$_{30}$NC-PCL nanofibers mat for ISPE; eluent: 300 µL of methanol-0.2 M phosphate solution (pH = 5) 70:30; desorption time, 2 min.
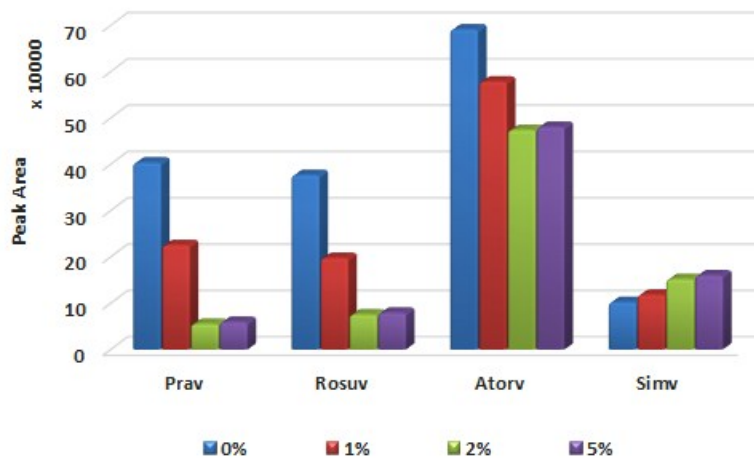
Figure S4. Effect of NaCl% (w/v) on extraction efficiency of DSPE; Extraction conditions: sample solution, 50 mL of 100 µg L^{-1} target drugs at pH = 5; 7 mg of GO/Al$_{30}$ NC; eluent: 200 µL of methanol-0.2 M phosphate solution (pH = 5) 70:30; extraction time, 10 min; desorption time, 5 min.