# عنوان مقاله:

Magnetic multiwall carbon nanotube for enrichment and quantification of atenolol in real samples

# محل انتشار:

همایش ملی علوم و فن آوری های نوین در آب،انرژی و محیط زیست (سال: 1398)

تعداد صفحات اصل مقاله: 4

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### خلاصه مقاله:

Magnetic multiwall carbon nanotube was produced and utilized for solid phase extraction (MSPE) followed by HPLC for enrichment and determination of atenolol (ATL) in sample. An electrostatic self-assembly procedure was applied to fabricate magnetic multiwall carbon nanotube. The parameters affecting the extraction yield including pH of sample solution, dosage of sorbent, extraction time and salt amount were investigated and optimized. The calibration standard curve revealed linearity in the concentration range of 150-1200 ng mL-1 with regression coefficient .corresponding to 0.990. Limits of detection and quantification were 37 and 150 ng mL-1, respectively

کلمات کلیدی: Magnetic multi wall carbon nanotube; high-performance liquid chromatography; human plasma; atenolol

# لینک ثابت مقاله در پایگاه سیویلیکا:

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