Effect of gamma irradiation on bis(2-ethylhexyl)phosphoric acid supported by macroporous silica-based polymeric resins

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Figure S1 The adsorption kinetics of Gd(III) onto irradiated HDEHP/SiO2-P resins under dry condition, [Gd(III)] = 10 mmol·L-1, pH = 2, phase ratio: 0.1 g/5 mL.

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Figure S2 The adsorption kinetics of Gd(III) onto irradiated HDEHP/SiO2-P resins in 0.1 M HNO3 solutions, [Gd(III)] = 10 mmol·L-1, pH = 2, phase ratio: 0.1 g/5 mL.

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Figure S3 The adsorption kinetics of Gd(III) onto irradiated HDEHP/SiO2-P resins in 3 M HNO3 solution, [Gd(III)] = 10 mmol·L-1, pH = 2, phase ratio: 0.1 g/5 mL.

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Figure S4 HRMS spectrum of neat HDEHP, the irradiated filter liquor, and leakage from unirradiated HDEHP/SiO2-P contacted with HNO3 solutions.

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