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Analytical methods

A label-free fluorescent aptasensor for selective and sensitive detection of streptomycin in milk and blood serum

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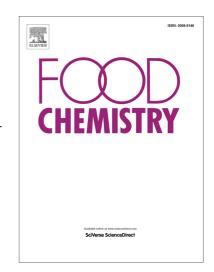
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A label-free fluorescent aptasensor for selective and sensitive detection of 1 streptomycin in milk and blood serum 2 Seyed Mohammad Taghdisi a, ¥, Noor Mohammad Daneshb,c, ¥, Morteza Alinezhad 3 Nameghi^d, Mohammad Ramezani^{c, *}, Khalil Abnous^{e, *} 4 5 6 ^aTargeted Drug Delivery Research Center, School of Pharmacy, Mashhad University of Medical 7 8 Sciences, Mashhad, Iran. ^bResearch Institute of Sciences and New Technology, Mashhad, Iran. 9 10 ^cNanotechnology Research Center, School of Pharmacy, Mashhad University of Medical Sciences, 11 Mashhad, Iran. 12 ^dSchool of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran. ^ePharmaceutical Research Center, School of Pharmacy, Mashhad University of Medical Sciences, 13 14 Mashhad, Iran. 15 Running title: Detection of streptomycin in milk and blood serum 16 [¥] These authors contributed equally to the work. 17 * Corresponding authors: Dr. Khalil Abnous (E-mail: abnouskh@mums.ac.ir) and Prof. Mohammad 18 Ramezani (E-mail: ramezanim@mums.ac.ir), Tel.: +98 513 882 3255, Fax.: +98 513 882 3255 19 20 21 22

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