

Electronic supplementary file

Utilizing a nanocomposite aerogel grafted with Fe₃O₄@GO for extraction and determination of metoprolol in exhaled breath condensate

Bitā Azad^{1,2}, **Zahra Karimzadeh**^{1,2}, **Amirreza Jabbaripour**³, **Vahid Jouyban-Gharamaleki**⁴, **Maryam Khoubnasabjafari**^{5,6}, **Abolghasem Jouyban**^{1,7}, **Elaheh Rahimpour**^{1,8*}

¹ *Pharmaceutical Analysis Research Center and Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran*

² *Student Research Committee, Faculty of Pharmacy, Tabriz University of Medical Sciences, Tabriz, Iran*

³ *Faculty of Medicine, Tabriz Azad Islamic University, Tabriz, Iran*

⁴ *Kimia Idea Pardaz Azarbayjan (KIPA) Science Based Company, Tabriz University of Medical Sciences, 5165665811, Tabriz, Iran*

⁵ *Tuberculosis and Lung Diseases Research Center, Tabriz University of Medical Science, Tabriz, Iran*

⁶ *Department of Anesthesiology and Intensive Care, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran*

⁷ *Pharmaceutical Sciences Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran*

⁸ *Infectious and Tropical Diseases Research Center, Tabriz University of Medical Sciences, Tabriz, Iran*

* Corresponding author: (E. Rahimpour), *E-mail address*: Rahimpour_e@yahoo.com

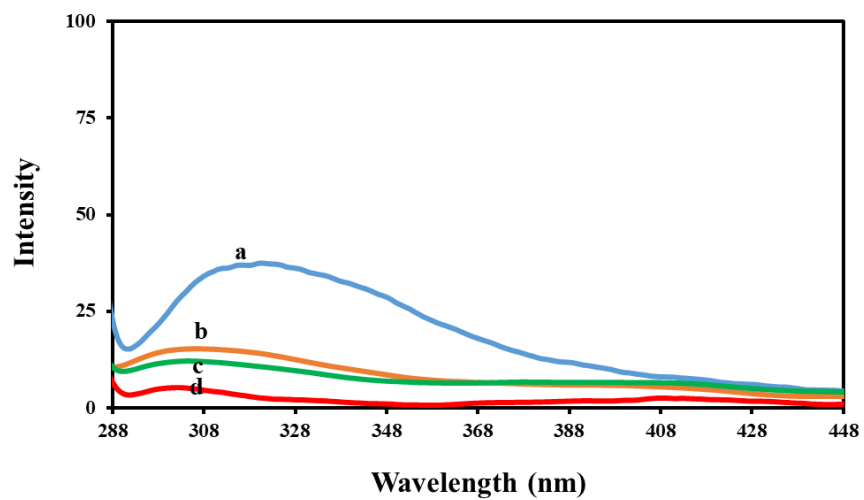


Fig. 1S. Fluorescence spectrum for (a) blank EBC of a healthy subject spiked with $0.1 \mu\text{g.mL}^{-1}$ MET, (b) and (c) negative control samples, *i.e.*, patient who is not administered MET (administrated drugs for sample “b” are sertraline and clonazepam and for sample “c” are depakine, inderal and clonazepam) (d) blank EBC of a healthy subject without any MET spike