

عنوان مقاله:

Electrochemical oxidation of Acetaminophen in the presence of Gentamicin and Vancomycin by Cyclic Voltammograms: application to electrosynthesis

محل انتشار:

همایش منطقه ای شیمی (سال: 1389)

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خلاصه مقاله:

Electrochemical oxidation of acetaminophen has been studied in the presence of gentamicin and vancomycin as nucleophiles in aqueous solution, by means of cyclic voltammetry and controlled-potential coulometry[1]. The results indicate the participation of electrochemically generated N-acetyl-p-quinoneimine in Michael reaction with 2 to form the corresponding aminoquinone derivatives. Based on EC mechanism [2]. Typical cyclic voltammograms of 2 mM acetaminophen in the presence of gentamicin at glassy carbon electrode, in aqueous solution containing carbonate buffer. Scan rates different(Figure.1) are shown

کلمات کلیدی:

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