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Determination of some nitroaromatic compounds and some related pharmaceutical compounds using fow injection-chemiluminescence method

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Arapid ow injection-chemiluminescence (FI-CL) method was used for determination of 4-nitrophenol and some nitroaromatic compounds. ese compounds, which have electron-donating group on the ortho and para positions, undergo on-line reduction using a minicolumn of zinc redactor in acidic medium to their corresponding aminophenols. e produced aminophenols were reacted with permanganate ion and polyphosphpric acid in the presence of dimethyl sulfoxide as enhancer for the produced CL. e method extended to include some related nitroaromatic compounds of pharmacological interest with similar structural formations representative such as metronidazole, furazolidone, nitrofurantoin and nitrazepam.

**Notes:**