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Galvanostatic coulometric determination of aromatic amine derivatives in pharmaceutical preparations using electrochemically generated bromine

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Abstract

Procedures were developed for the coulometric determination of aromatic amine derivatives in model solutions and pharmaceutical preparations (anaesthesine, novocaine, novocainamide, paracetamol, streptocid, sulgin, sodium sulfacyl, ethazole, sulfadimezine, norsulfazole, and sulfamethoxazole) using electrochemically generated bromine with RSD of 1 to 5%. The stoichiometric coefficients of reactions were determined, and possible mechanisms were proposed for the reactions of bromine with the above preparations.

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