



Study the Voltammetric Behavior of Symmetrical Tetradentate Schiff Bases

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ABSTRACT

Synthesis of symmetrical Schiff bases (1-4) employed by using condensation methods. Purity was monitored by TLC and column chromatographic techniques. In this present study cyclic voltammetric behavior of symmetrical Schiff bases (1-4) were studied. The cyclic voltammetric studies reveals that the $-CH=N-$ group in Schiff bases is reduced and the process is quasireversible with kinetically controlled behavior. Based on the cyclic voltammetric data propose the possible mechanism for this redox behavior of schiff bases.

Keywords: Symmetrical Schiff bases, Voltammetric studies, Glassy carbon electrode.
