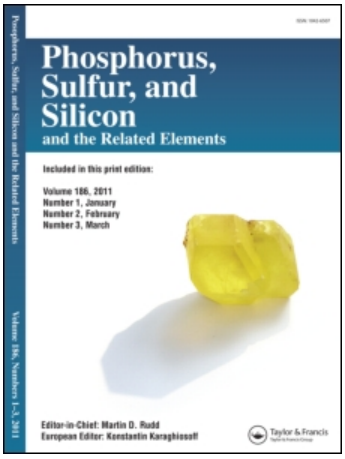

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ANODIC SYNTHESIS OF THIAZOLE DERIVATIVES

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ANODIC SYNTHESIS OF THIAZOLE DERIVATIVES

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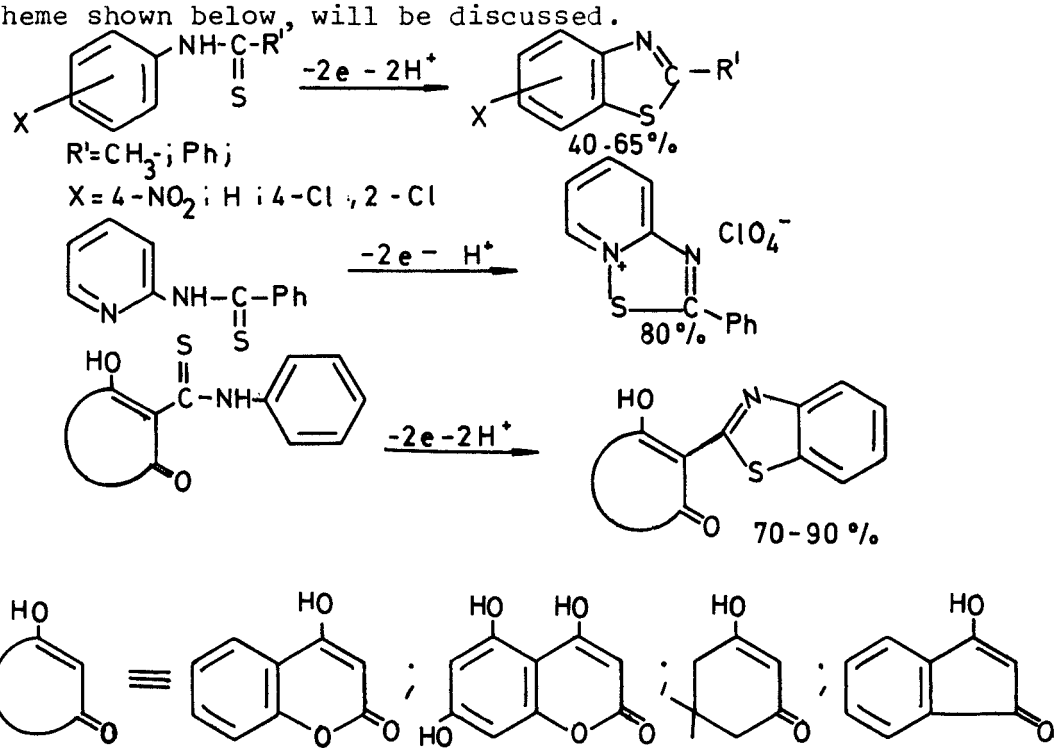
Anodic oxidations of several thioamides were investigated in acetonitrile-tetraaethylamonium perchlorate electrolyte solution at platinum using controlled potential electrolysis. All oxidations showed two-electron behaviour giving rise to the corresponding thiazole derivative. The following conversions, according to the Scheme shown below, will be discussed.



Product analysis and utilization of electroanalytical techniques (coulometry at controlled potential, cyclic voltammetry, rotating disc coltammetry, chronoamperometry) did allow a mechanistic hypothesis to be formulated for certain conversions.