Cathodic and anodic electroactive product from acidic cleavage of cepradine

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The isolation and identification of a cathodic degradation product from cephradine after acidic hydrolysis in presence of 1 % formaldehyde is reported. Also, the electroacti vity of an anodic degradation product is described. However, this product has not been identified. Each electroactive product exhibits a diffusion-controlled polarographic wave and their respectives limiting currents show a linear dependence with the cephradine concentration. These characteristics are applied for analytical purposes. Synthetic samples exhibit 99.4 and 100.4 % recoveries for the cathodic and anodic product respectively.