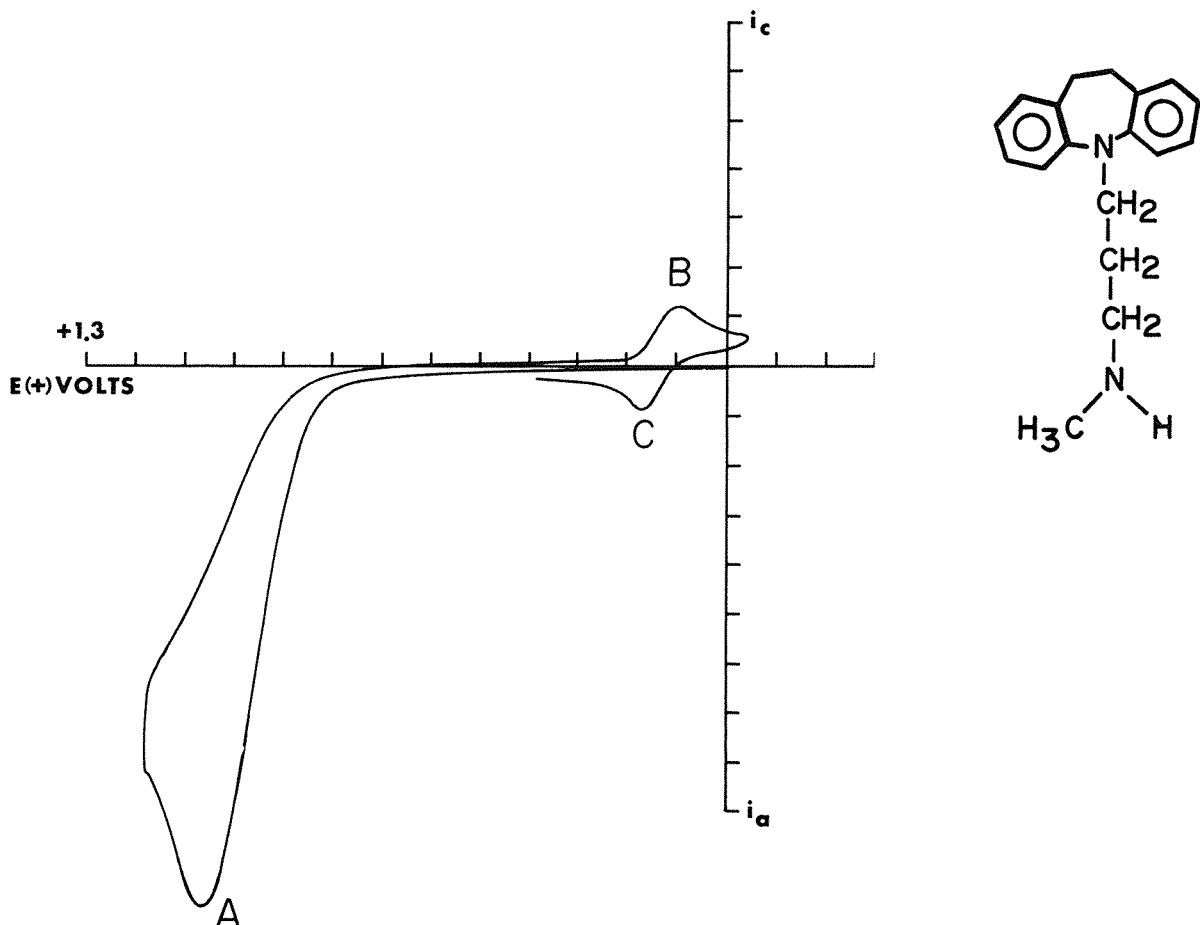


CV NOTES

DESIPRAMINE



SAMPLE: Desipramine

MEDIUM: 50% 0.1M Acetate, pH 5
50% isopropyl alcohol

CONC.: 0.3 mg/mL

RATE: 75 mV/sec

ELECTRODE: Glassy Carbon

REFERENCE: Ag/AgCl/3M KCl

MODEL: CV-1A

Desipramine is a tricyclic antidepressant that has been widely prescribed in recent years. Though the electrochemical mechanism is not precisely known, the shape of the voltammogram is one commonly experienced in cyclic voltammetry. The molecule is oxidized (peak A); this oxidation product undergoes a chemical reaction to produce a substance reducible at B. This product is readily reversible at C on the reverse scan.

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