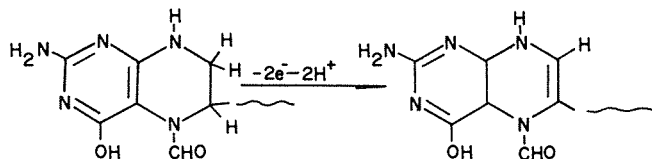
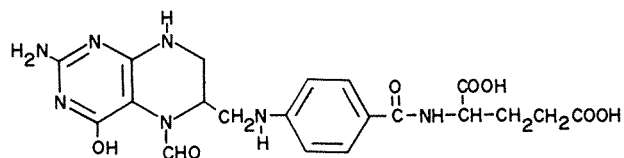
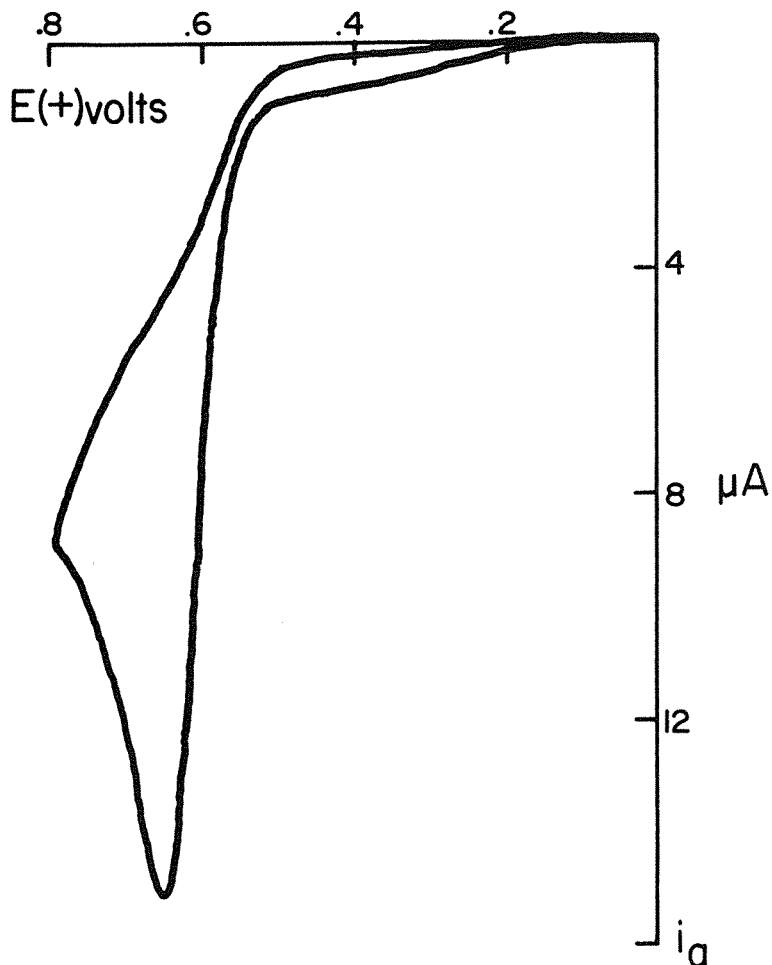


CV NOTES

LEUCOVORIN



Sample: Calcium Leucovorin
 (Folinic Acid)
 Medium: 1 M Acetate, pH 5.3
 Conc: 1.26 mM
 Rate: 100 mV/s
 Electrode: CP (CPO)
 Ref: Ag/AgCl
 Model: CV-1B

Folinic acid is the intermediate product of the metabolism of folic acid. It is the active form into which folic acid is converted in the body. Calcium leucovorin is clinically useful in blocking the action of folate reductase. It has been used to treat certain anemias that result from malnutrition or pregnancy, but has received more attention for use as an anti-malignancy treatment. In such a case, leucovorin is primarily an antidote to folic acid inhibitors such as methotrexate. The voltammetric behavior shows a sharp oxidation at +600 mV that probably corresponds to the loss of 2 electrons by the mechanism illustrated above. The aldehyde group may act as an electron withdrawing group to force this reaction to such a high applied potential.



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