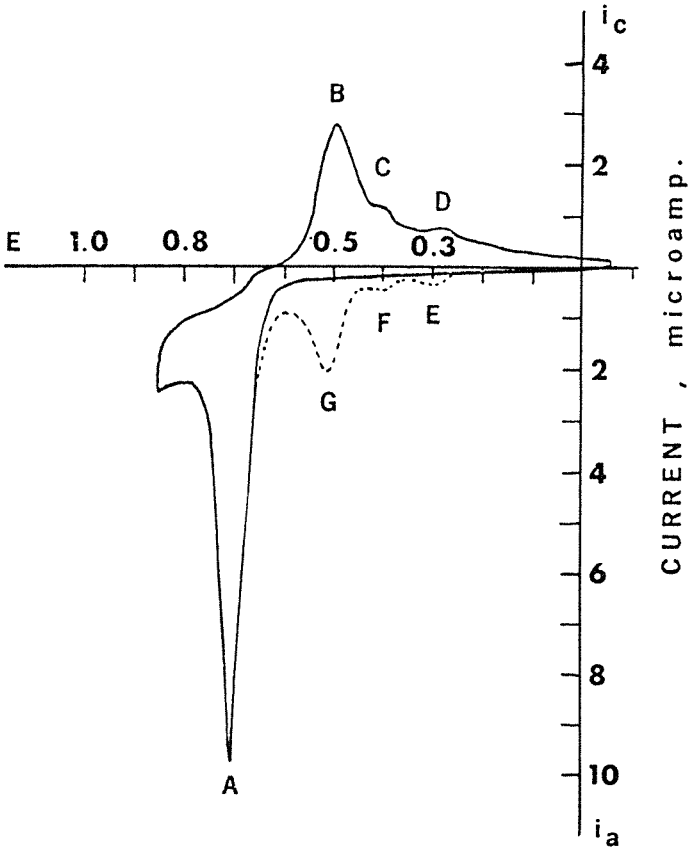
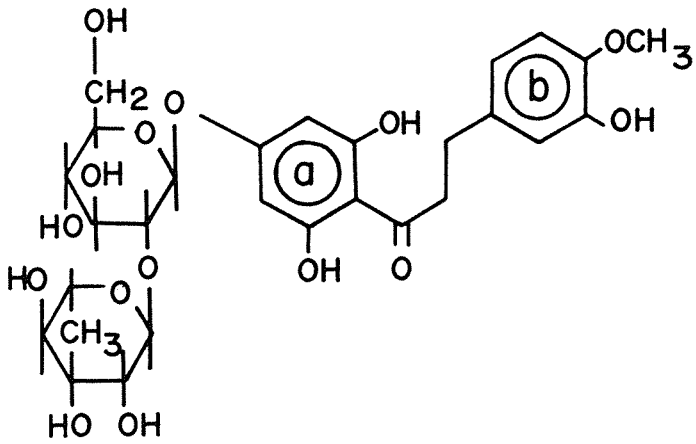
CV NOTES

NEOHESPERIDIN DIHYDROCHALCONE





SAMPLE: Neohesperidin Dihydrochalcone

MEDIUM: 4 M $HClO_4$

CONC: 2 mg/20 ml

RATE: 300 mV/s

ETRODE: CPE

REF: RE-1, Ag/AgCl

MODEL: CV-1A

A: Two electron oxidation of the B ring producing the o-quinone and methanol
B: Reduction of the B-ring quinone formed at A
C: unknown
D: unknown
E: unknown
F: unknown
G: Second scan oxidation of the B-ring catechol formed via wave B

2,3',6-trihydroxy-4-O-B-neohesperidosyl-4' -methoxy-dihydrochalcone is a natural product with a very sweet taste. It illustrates that electrochemistry can be useful for study of some rather complex phenolic natural products.

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