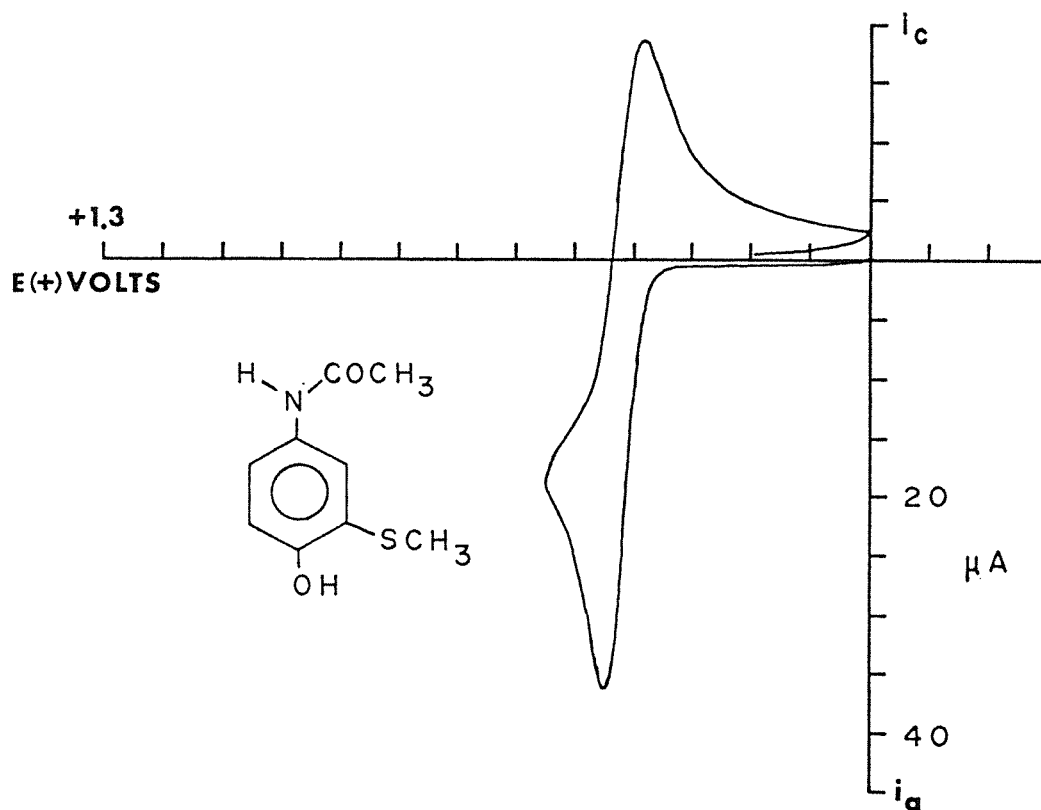


C V N O T E S

3-(S)-THIOMETHYL- ACETAMINOPHEN



SAMPLE: 3-(S)-Thiomethylacetaminophen

MEDIUM: 20% methanol in pH 4.0
acetate (0.1 M)

CONC: 1 mM

RATE: 100 mV/s

ETRODE: GC

REF: RE-1, Ag/AgCl

MODEL: V-1A

This compound has been identified as a minor urinary metabolite of acetaminophen (Tylenol). It is electrochemically very similar to the more dominant 3-(S)-N-acetylcysteinyll and 3-(S)-cysteinyllaceta-
minophen metabolites. Thioether substi-
tution at the 3-position decreases the
oxidation potential by about 140 mV
relative to acetaminophen and significantly
improves reversibility.



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