

Figure S1. Spectrophotometric titration of tetracaine in aqueous buffered solutions of acetic acid-acetate and its chloro-derivatives

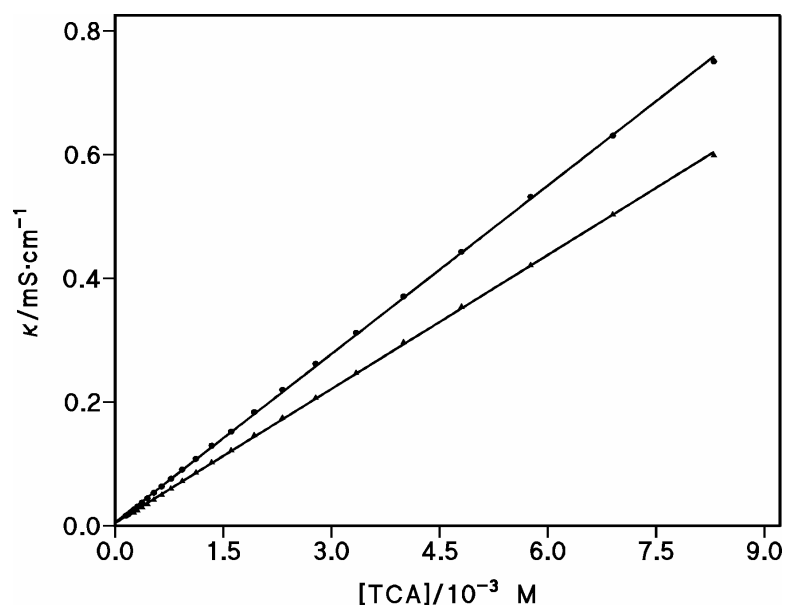


Figure S2. Specific conductivity of aqueous solutions of tetracaine measured at (●)25 °C and (▲)15 °C.

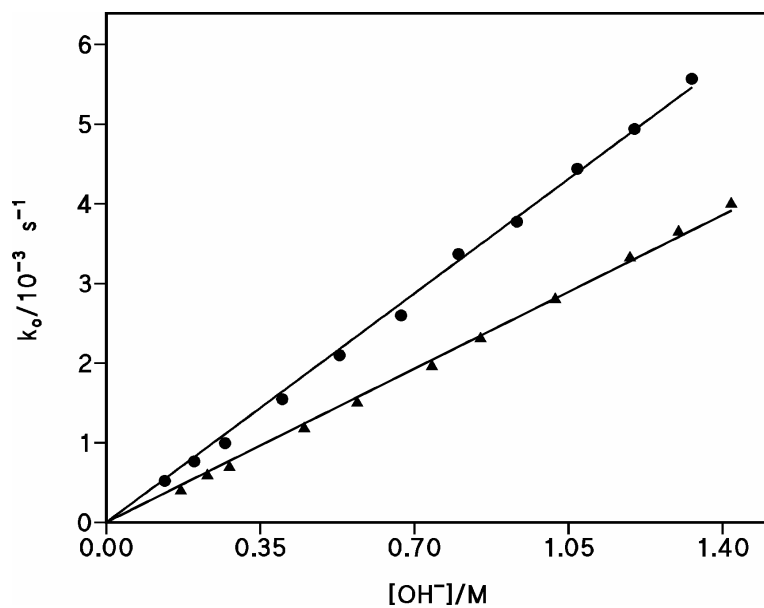


Figure S3. - Plots of the observed pseudo-first order rate constant, k_o , for the alkaline hydrolysis of (●)NOV and (▲)TCA measured at 25 °C as a function of $[\text{OH}^-]$.

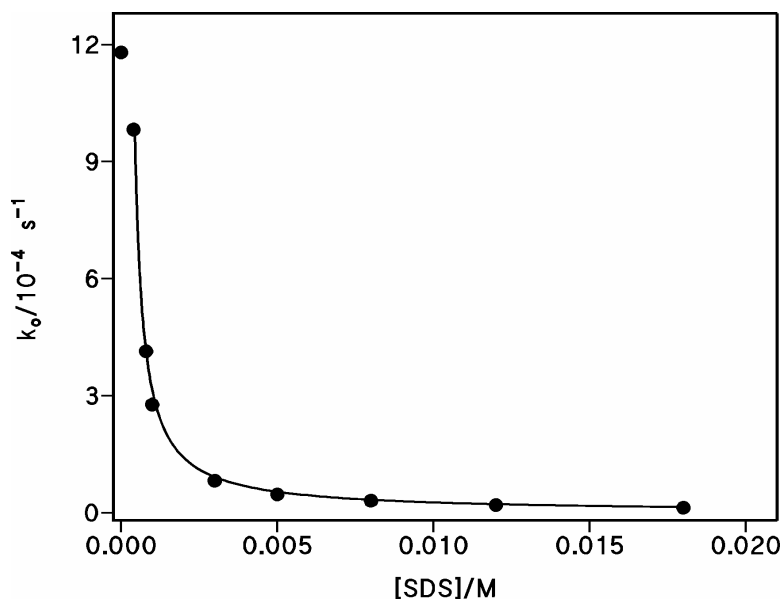


Figure S4. Influence of SDS on the alkaline hydrolysis of TCA at $[\text{OH}^-]=0.40 \text{ M}$ and 25 °C.