

# Macromolecules

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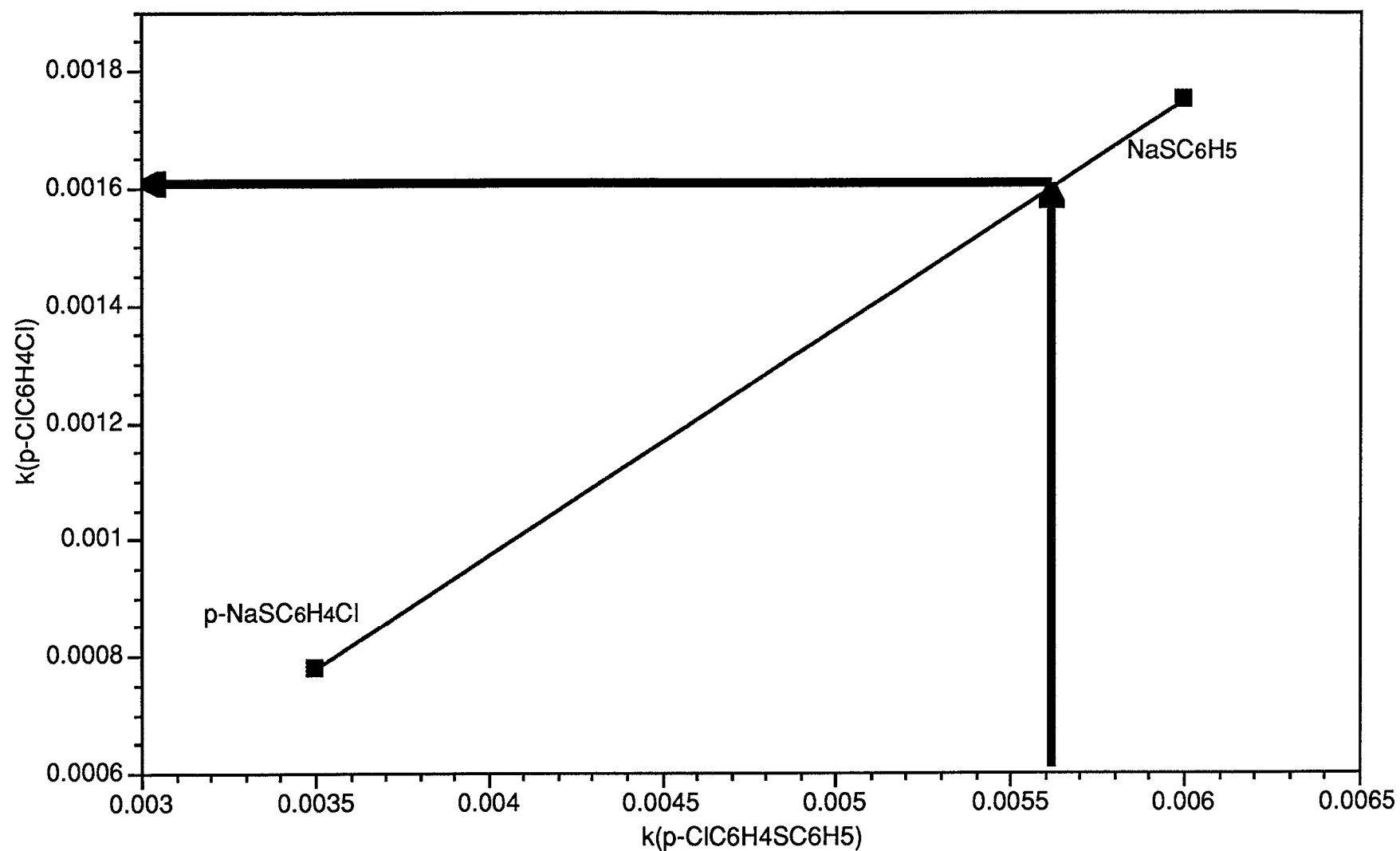
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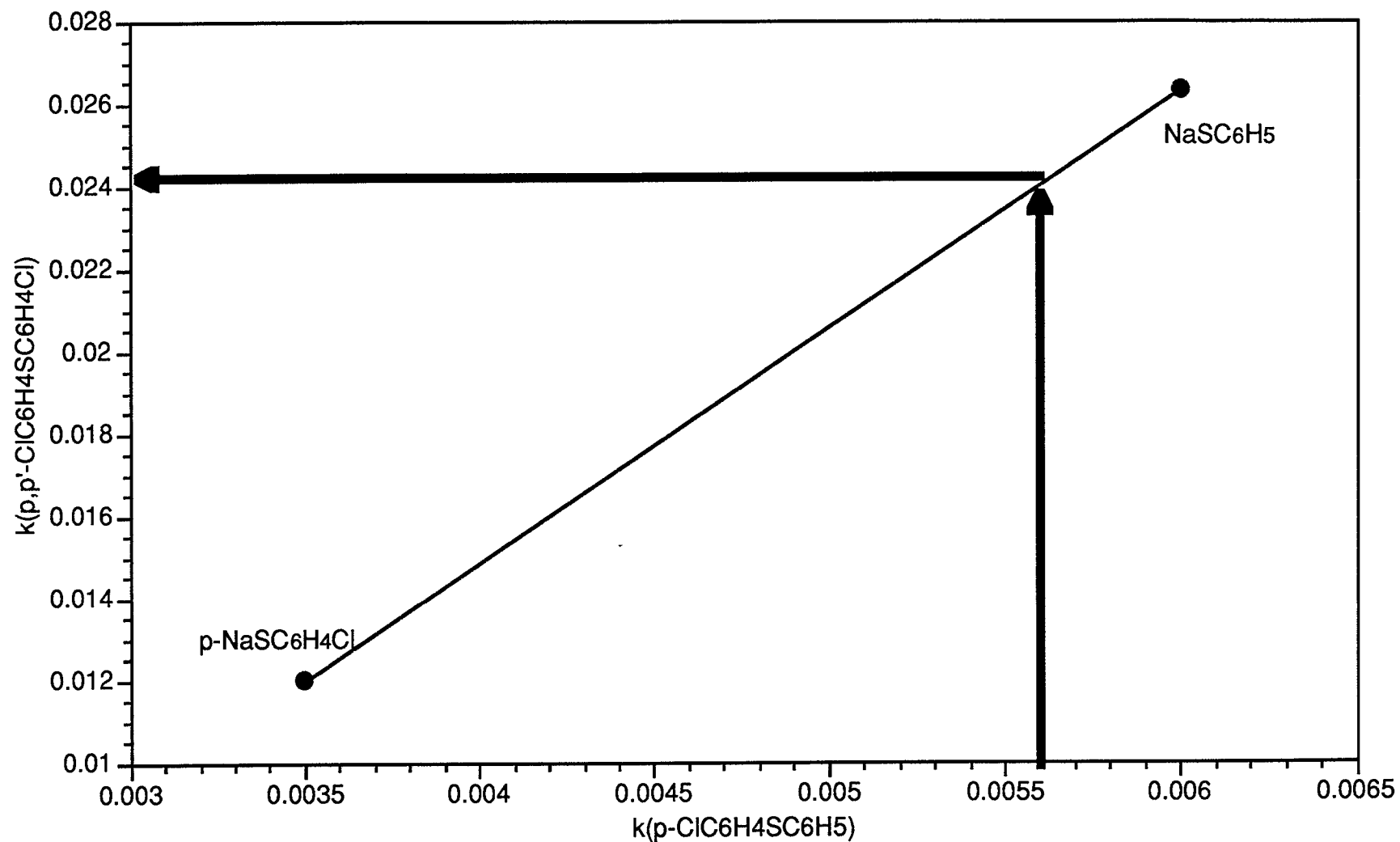
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Supplementary Figure 1. Plot of  $k(\text{p-ClC}_6\text{H}_4\text{Cl})$  vs.  $k(\text{p-ClC}_6\text{H}_4\text{SC}_6\text{H}_5)$  in reactions with p-NaSC<sub>6</sub>H<sub>4</sub>Cl and NaSC<sub>6</sub>H<sub>5</sub>. A rate constant for the reaction of p-ClC<sub>6</sub>H<sub>4</sub>Cl with p-NaSC<sub>6</sub>H<sub>4</sub>SC<sub>6</sub>H<sub>5</sub> was interpolated based on the measured rate constant for the reaction of p-ClC<sub>6</sub>H<sub>4</sub>SC<sub>6</sub>H<sub>5</sub> with p-NaSC<sub>6</sub>H<sub>4</sub>SC<sub>6</sub>H<sub>5</sub>. The interpolated rate constant is assumed to be equivalent to that for the reaction of p-ClC<sub>6</sub>H<sub>4</sub>Cl with p-Na(SC<sub>6</sub>H<sub>4</sub>)<sub>n</sub>Cl.



Supplementary Figure 2. Plot of  $k(p,p'\text{-ClC}_6\text{H}_4\text{SC}_6\text{H}_4\text{Cl})$  vs.  $k(p\text{-ClC}_6\text{H}_4\text{SC}_6\text{H}_5)$  in reactions with  $p\text{-NaSC}_6\text{H}_4\text{Cl}$  and  $\text{NaSC}_6\text{H}_5$ . A rate constant for the reaction of  $p,p'\text{-ClC}_6\text{H}_4\text{SC}_6\text{H}_4\text{Cl}$  with  $p\text{-NaSC}_6\text{H}_4\text{SC}_6\text{H}_5$  was interpolated based on the measured rate constant for the reaction of  $p\text{-ClC}_6\text{H}_4\text{SC}_6\text{H}_5$  with  $p\text{-NaSC}_6\text{H}_4\text{SC}_6\text{H}_5$ . The interpolated rate constant is assumed to be equivalent to that for the reaction of  $p,p'\text{-ClC}_6\text{H}_4\text{SC}_6\text{H}_4\text{Cl}$  with  $p\text{-Na}(\text{SC}_6\text{H}_4)_n\text{Cl}$ .