Cation-π Interaction As a Tool To Enhance the Power of a Chiral Auxiliary During Asymmetric Photoreactions within Zeolites

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Contents:

Figure 1: HF/3-21G* optimized structures and binding affinities of Na⁺ bound 1a. page 2

Figure 2: HF/3-21G* optimized structures and binding affinities of Na⁺ bound 1c. page 3

Figure 3: HF/3-21G* optimized structures and binding affinities of Na⁺ bound 5a and 5c. page 4

Figure 4: HF/3-21G optimized structures and binding affinities of Li⁺ bound 3a and 3c. page 5
(a) B.E (Na+ complex) = -96.89 kcal/mol

(b) B.E (Na+ complex) = -85.90 kcal/mol

Figure 1: HF/3-21G* optimized structures of Na+ bound 1a. Binding affinities are included at above each structure.
(a) B.E (Na+ complex) = -75.49 kcal/mol

(b) B.E (Na+ complex) = -65.32 kcal/mol

Figure 2: HF/3-21G* optimized structures of Na⁺ bound 1c. Binding affinities are included above each structure.
Figure 3: HF/3-21G* optimized structures of Na$^+$ bound 5a (a) and 5c (b). Binding affinities are included at the top of each structure.
Figure 4: HF/3-21G optimized structures of Li\(^+\) bound 3a (a) and 3c (b). Binding affinities are included at the top of each structure.