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Research Article

Competition between σ -hole pnictogen bond and π -hole tetrel bond in complexes of $\text{CF}_2=\text{CFZH}_2$ ($\text{Z} = \text{P}, \text{As}, \text{and Sb}$)

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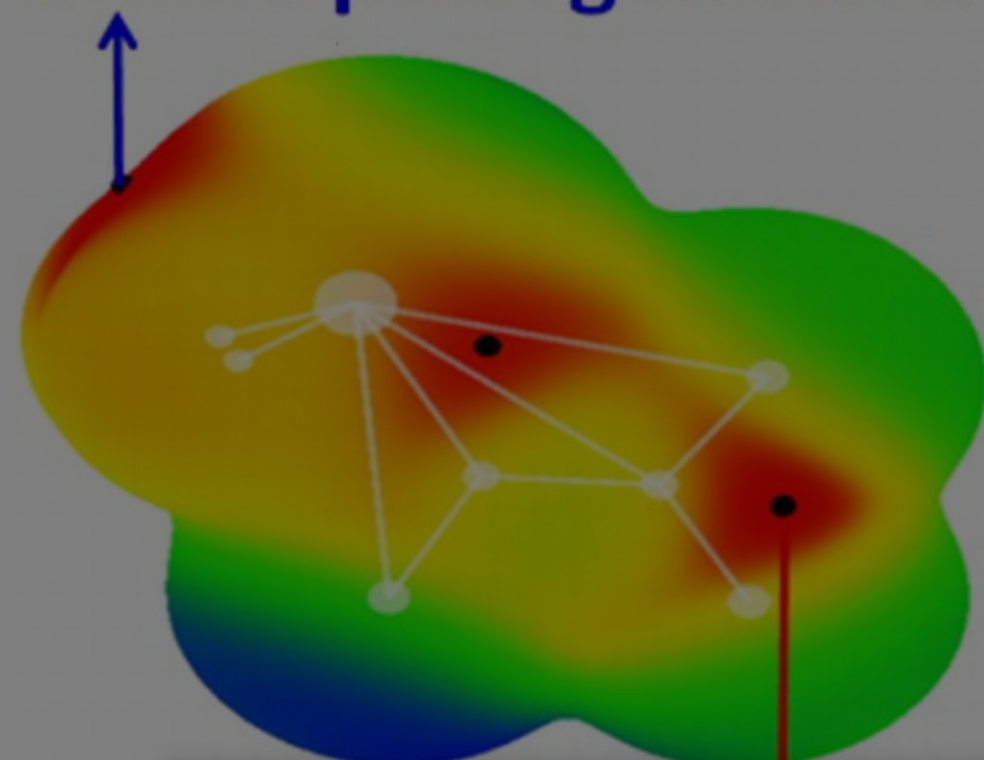
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The σ -hole pnictogen bonded and π -hole tetre bonded complexes between $F_2C=CFZH_2$ ($Z = P, As, \text{ and } Sb$) and two Lewis bases (NH_3 and NMe_3) have been compared. The results indicate that both interactions can compete, dependent on the nature of the N base.

GRAPHICAL ABSTRACT

σ -hole pnictogen bond



KEYWORD

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Related Research Data

Competition between σ -hole pnictogen bond and π -hole tetrel bond in complexes of $\text{CF}_2=\text{CFZH}_2$ ($Z = \text{P, As, and Sb}$)

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Competition between σ -hole pnictogen bond and π -hole tetrel bond in complexes of $\text{CF}_2=\text{CFZH}_2$ ($Z = \text{P, As, and Sb}$)

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