

Molecular Physics >

An International Journal at the Interface Between Chemistry and Physics
Volume 117, 2019 - Issue 3

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Research Article

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

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Pages 251-259 | Received 12 Jun 2018, Accepted 24 Jul 2018, Published online: 12 Aug 2018

Cite this article <https://doi.org/10.1080/00268976.2018.1508782>

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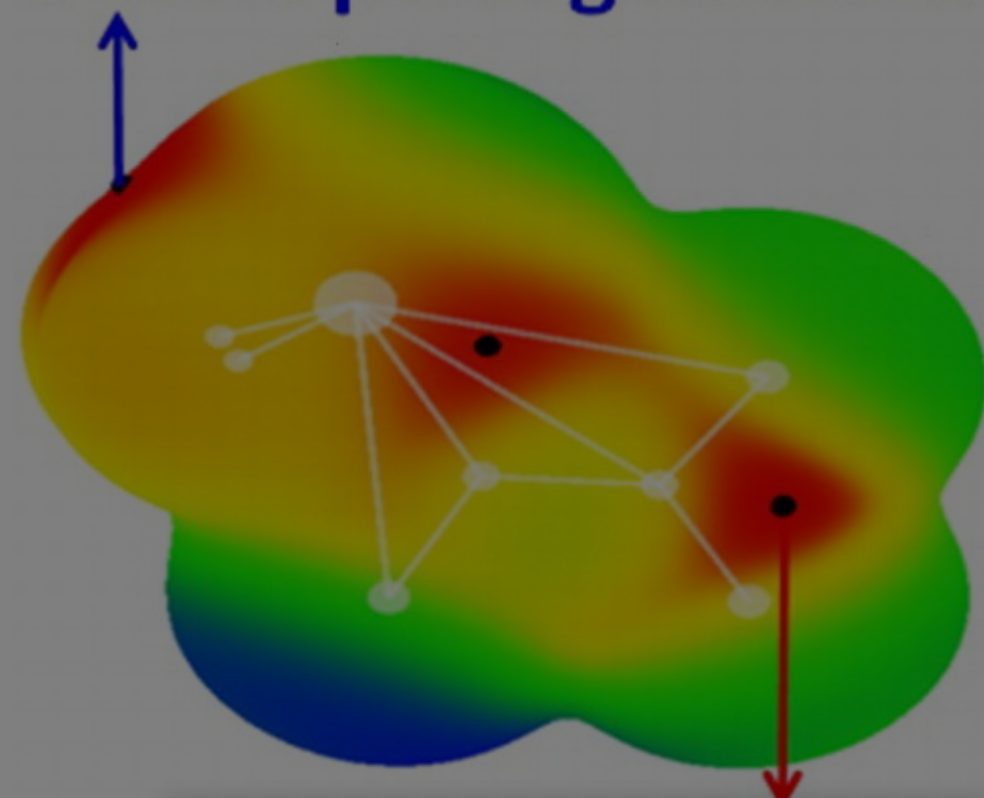
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The σ -hole pnictogen bonded and π -hole tetre bonded complexes between $F_2C=CFZH_2$ ($Z = P, As, \text{ and } Sb$) and two Lewis bases (NH_3 and NMe_3) have been compared. The results indicate that both interactions can compete, dependent on the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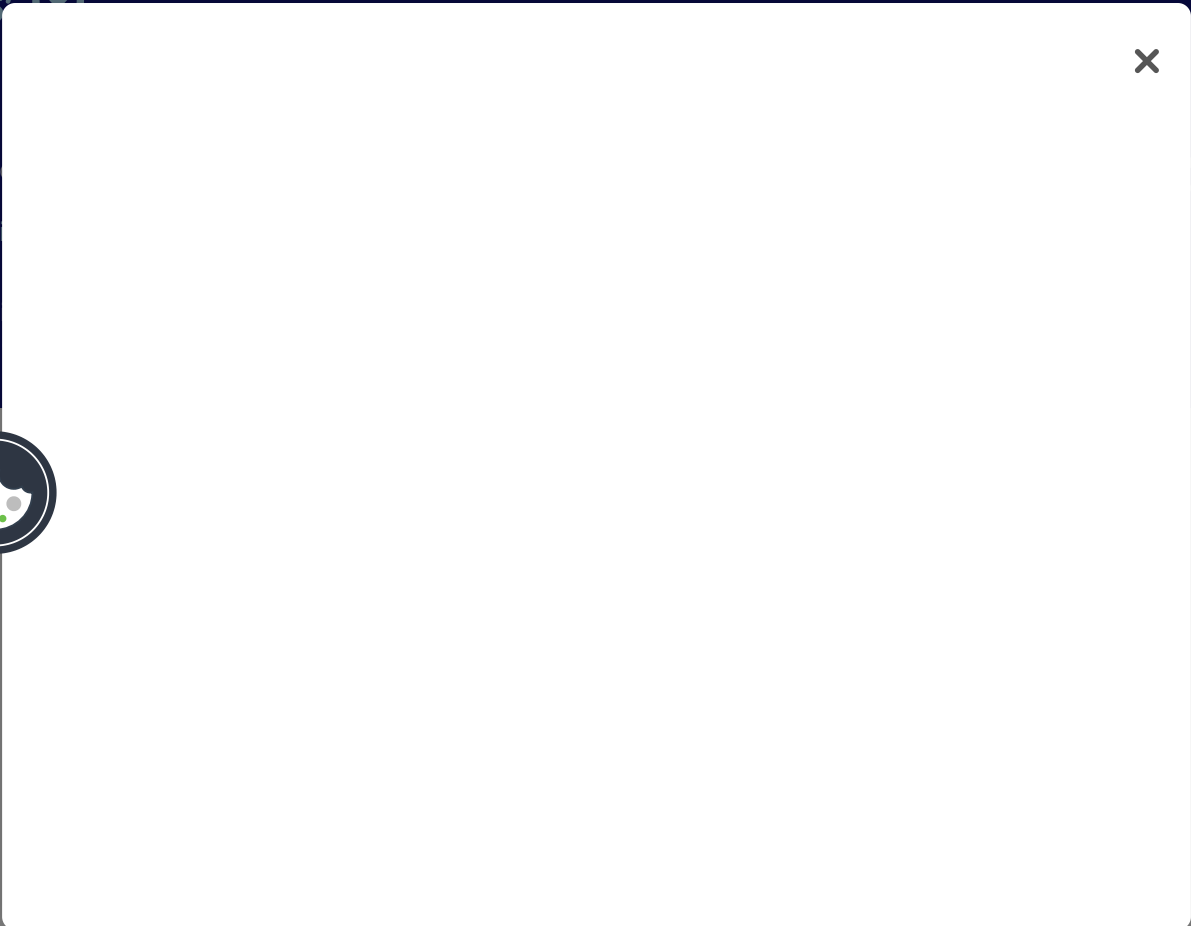
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