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An experimental and DFT study of the packing and structure of dithenoylmethane monocarbonylphosphine Rhodium(I) complex $[\text{Rh}((\text{C}_4\text{H}_3\text{S})\text{COCHCO}(\text{C}_4\text{H}_3\text{S}))(\text{CO}) (\text{PPh}_3)]$

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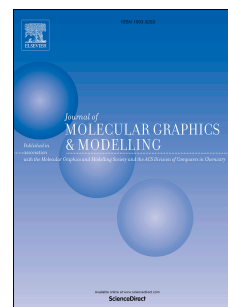
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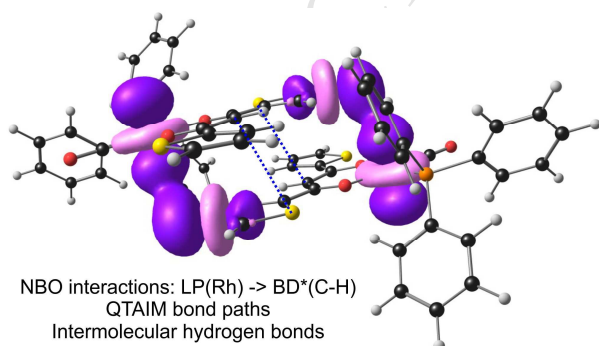
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Rhodium; DFT; thienyl unit; QTAIM; NBO; intermolecular interactions

Graphical abstract



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