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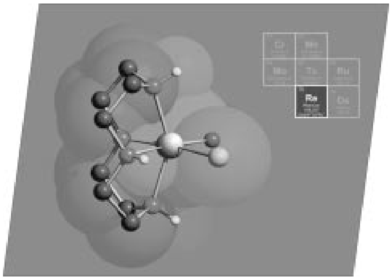
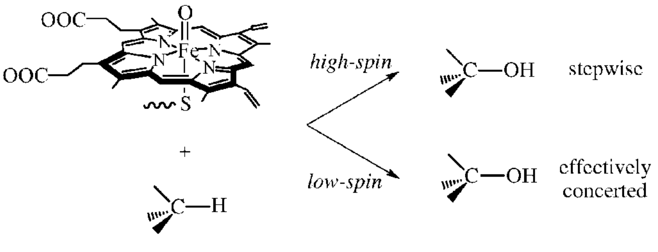
COVER PICTURE

The cover picture shows the structure of the cation [ReO(cyclen-H)I]$^+$. This complex and the analogous [ReO(cyclen-H)Cl]$^+$ are the first examples of d transition metal oxo complexes anchored by a monoanionic cyclen ligand. The deprotonation of cyclen can be accounted by the enhanced Lewis acidity of the d^2 rhenium center. Although the geometric contraints of *cis*-octahedral cyclen could impose the *cis*-ReO$_2$ unit, the resulting *cis*-dioxo complex, *cis*-[ReO$_2$(cyclen)]$^+$, is very reactive, being readily converted into [ReO(cyclen-H)X]$^+$. Details are discussed in the article by I. Santos et al. on p. 243 ff.



MICROREVIEW



Two-state reactivity in C−H hydroxylation

Keywords: Alkanes / Cytochrome P450 / Density functional calculations / Enzyme catalysis / Free radicals / C−H hydroxylation