

Synthesis, structure and catalytic activity of an oxorhenium(V) complex containing chelating phosphite ligand.

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Streszczenie

The new violet oxorhenium(V) complex $\text{ReOCl}_3(\text{pinacop})$ {pinacop = $(\text{OCMe}_2\text{CMe}_2\text{O})\text{POCMe}_2\text{CMe}_2\text{OP}(\text{OCMe}_2\text{CMe}_2\text{O})$ } was obtained by reaction of $\text{ReOCl}_3(\text{OPPh}_3)$ (SMe_2) with a stoichiometric amount of pinacop. Facial geometry was determined by spectroscopic means and preliminary results from an X-ray crystallographic study. The catalytic properties of the title compound in oxygen atom transfer reactions are discussed.

Słowa kluczowe

oxorhenium(V), chelating phosphite, oxygen atom transfer, X-ray structure

Adres publiczny

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