

Accepted Manuscript

Research paper

Modification of a pyridine-alkoxide ligand during the synthesis of coordination compounds

Dimitar Y. Shopov, Liam S. Sharninghausen, Shashi Bhushan Sinha, Brandon Q. Mercado, Gary W. Brudvig, Robert H. Crabtree

PII: S0020-1693(18)30811-9
DOI: <https://doi.org/10.1016/j.ica.2018.09.020>
Reference: ICA 18478

To appear in: *Inorganica Chimica Acta*

Received Date: 25 May 2018
Revised Date: 6 September 2018
Accepted Date: 6 September 2018



Please cite this article as: D.Y. Shopov, L.S. Sharninghausen, S.B. Sinha, B.Q. Mercado, G.W. Brudvig, R.H. Crabtree, Modification of a pyridine-alkoxide ligand during the synthesis of coordination compounds, *Inorganica Chimica Acta* (2018), doi: <https://doi.org/10.1016/j.ica.2018.09.020>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ICA special issue

Modification of a pyridine-alkoxide ligand during the synthesis of coordination compounds

Dimitar Y. Shopov,[†] Liam S. Sharninghausen,[†] Shashi Bhushan Sinha,[†] Brandon Q. Mercado, Gary W. Brudvig,^{*} Robert H. Crabtree^{*}

Address: Yale University, 225 Prospect Street, New Haven, CT

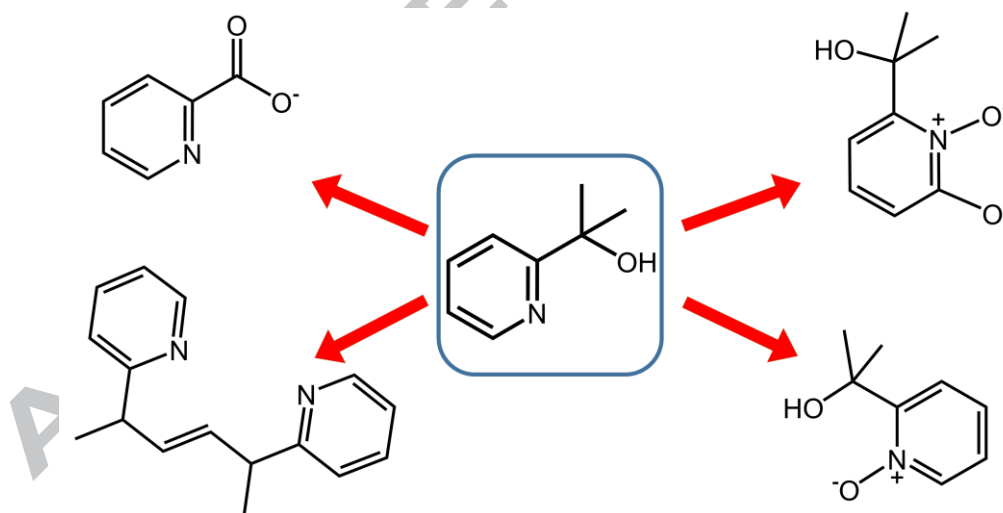
[†]These authors contributed equally

Keywords: Ligand oxidation, Water-oxidation catalysis, Coordination chemistry, Iridium

Highlights (<85 characters each):

- Compounds containing ligands resulting from pyridine-alkoxide modification are reported.
- A novel Ir mono- μ -oxo dimer relevant to water-oxidation catalysis is characterized.
- A novel NCCN pincer ligand gives an unusual Ir(III)-alkene complex.

TOC



Download English Version:

<https://daneshyari.com/en/article/10154796>

Download Persian Version:

<https://daneshyari.com/article/10154796>

[Daneshyari.com](https://daneshyari.com)