

A highly active alkane dehydrogenation catalyst: stabilization of dihydrido rhodium and iridium complexes by a P–C–P pincer ligand

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Subsequent to publication, we have found that the tetrahydride complex, $\text{IrH}_4\{\text{C}_6\text{H}_3\text{-2,6-(CH}_2\text{P}^t\text{Bu)}_2\}$, rather than the dihydride complex, $\text{IrH}_2\{\text{C}_6\text{H}_3\text{-2,6-(CH}_2\text{P}^t\text{Bu)}_2\}$ (**2**), is obtained from the reported synthetic procedure. The tetrahydride is readily converted to the dihydride **2** upon heating to 130 °C *in vacuo*. The spectroscopic and analytical data reported for **2** are for the tetrahydride complex, $\text{IrH}_4\{\text{C}_6\text{H}_3\text{-2,6-(CH}_2\text{P}^t\text{Bu)}_2\}$. The correct spectroscopic data for **2** are: $^1\text{H NMR}$ (400 MHz, $[\text{D}_2\text{H}_{12}]$ cyclohexane) δ 7.11 (d, J_{HH} 7.7 Hz, 2 H, *m*-H), 6.89 (t, J_{HH} 7.7 Hz, 1 H, *p*-H), 3.56 (vt, J_{PH} 3.5 Hz, 4 H, CH₂), 1.28 (vt, J_{PH} 6.2 Hz, 18 H, CH₃), –18.89 (t, J_{PH} 8.1 Hz, 2 H, IrH). $^{31}\text{P}\{^1\text{H}\}$ NMR (161.9 MHz, $[\text{D}_2\text{H}_{12}]$ cyclohexane), δ 86.1 (s).

A mixed-valence (Ti^{III}Ti^{IV}) carboxylate complex: crystal structures and properties of $[\text{Ti}_2\text{OCl}_3(\text{O}_2\text{CPh})_2(\text{thf})_3]$ and $[\text{NEt}_4]_3[\text{Ti}_2\text{Cl}_9]$

Stephanie L. Castro, William E. Streib, John C. Huffman and George Christou

Chem. Commun., 1996, 2177

In the 6th line of the author abstract the species $[\text{Ti}_2(\mu)_3]^{3+}$ should read $[\text{Ti}_2(\mu\text{-Cl})_3]^{3+}$, and in the 11th line of the paper the word ‘dincuclear’ should read ‘dinuclear’. The RSC Journals Production Department apologises for these errors.

4,4',5,5'-Tetrakis(2-thienyl)tetrathiafulvalene [TT-TTF]: synthesis and first X-ray crystal structure of a thiophene-substituted TTF electron donor

Adam Charlton, Allan E. Underhill, Gwion Williams, Maher Kalaji, Patrick J. Murphy, David E. Hibbs, Michael B. Hursthouse and K. M. Abdul Malik

Chem. Commun., 1996, 2423.

In the final paragraph on page 2423 ‘+0.22 V’ should read ‘+2.20 V’.
