

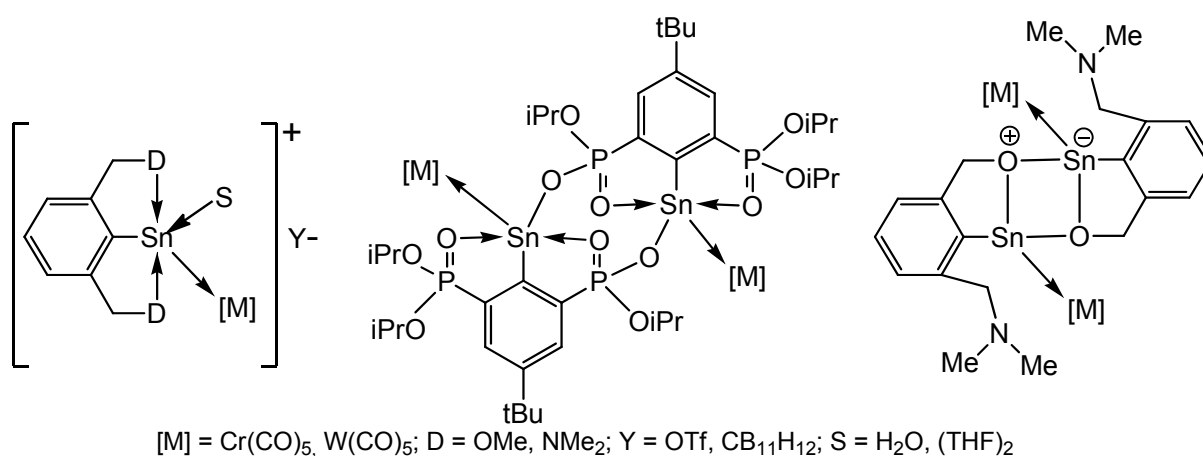
Transition Metal-complexed Organotin(II) Cations and Related Derivatives

Jambor, R., Pardubice/Cz, Schürmann, M., Dortmund/D, Jurkschat, K., Dortmund/D

Dr. Roman Jambor, Faculty of Chemical Technology, University of Pardubice, Cs. legir'
565, CZ-532 10, Pardubice, Czech Republic

Prof. Dr. Klaus Jurkschat, TU Dortmund, Otto-Hahn-Str. 6, D-44227 Dortmund,

As part of a comprehensive study on intramolecularly coordinated heteroleptic organostannylenes of the type RSn(L)X (L = lone pair, transition metal moiety; X = halide, SPh, PPh_2 , NR_2 , OR, OCOR) that contain the N,C,N- and O,C,O-coordinating pincer-type ligands $\text{R} = [2,6-(\text{Me}_2\text{NCH}_2)_2\text{C}_6\text{H}_3]^-$, $[2,6-(\text{MeOCH}_2)_2\text{C}_6\text{H}_3]^-$ and $[4-t\text{-Bu-2,6-}\{\text{P}(\text{O})(\text{O}i\text{-Pr})_2\}_2\text{C}_6\text{H}_2]^-$, respectively,^[1] we present here our attempts to synthesize the corresponding salts $[\text{RSnCr}(\text{CO})_5]^+[\text{Y}^-]$.



We demonstrate that, depending on the reaction conditions applied and the identity of the transition metal, aqua- respectively thf-stabilized complexes or cyclization products were obtained.

Literature:

[1] Jambor, R.; Kasma, B.; Koller, S. G.; Strohmman, C.; Schürmann, M.; Jurkschat, K. *Eur. J. Inorg. Chem* **2010**, 6, 902, and references cited therein.