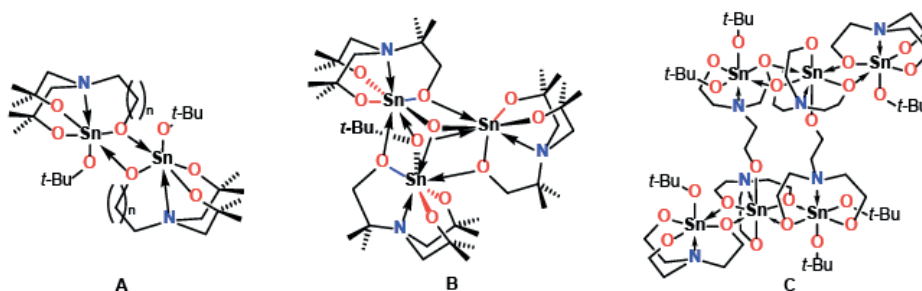


AMINO ALCOHOLS AND THEIR TIN DERIVATIVES. SIMPLE CHEMISTRY  
WITH ECONOMIC POTENTIALJurkschat K.

*Technische Universität Dortmund, Fakultät für Chemie und Chemische Biologie, 44221 Dortmund, Germany,  
e-mail: klaus.jurkschat@tu-dortmund.de*

The first report on amino alcohol derivatives of tin dates back to 1967<sup>1</sup>. Since then a number of papers have appeared on both Sn(IV) and Sn(II) amino alcohol derivatives including so-called stannabicyclo[3.3.0]octanes,  $RN(CH_2CH_2O)_2M$  ( $M = Sn, SnX_2$ ,  $X =$  organic substituent, halogen, alkoxide etc.), and stannatranes,  $N(CH_2CH_2O)_3SnR$ . The chemistry of these compounds has been thoroughly reviewed<sup>2-4</sup>. Motivated by the extraordinary delayed-action catalytic activity of novel inorganic, non-toxic representatives of these compounds in polymerization reactions,<sup>5</sup> we looked again into this chemistry. The syntheses, the structures in solution and in the solid state, and the reactivity of novel Sn(II) and Sn(IV) derivatives that are based on structurally modified and in part chiral amino alcohols<sup>6-8</sup> will be presented. Controlled hydrolysis of selected stannatranes provided novel tin oxoclusters such as A – C.



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