

Complex compounds of phosphorous esters

Communication 2. Complex compounds with platinous salts

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Abstract

1. Compounds of the general formula $\text{PtCl}_2 \cdot 2\text{P}(\text{OR})_3$, where $\text{R} = \text{CH}_3$, C_2H_5 , $\text{C}_3\text{H}_7\text{-i}$, and C_6H_5 , have been prepared by the action of platinous chloride on trialkyl phosphites, and some of their properties have been studied. The methyl and ethyl compounds were found to be identical with the complexes obtained by the action of methanol and ethanol respectively on $\text{PtCl}_2 \cdot 2\text{PCl}_3$. 2. By means of an exchange reaction with potassium iodide, $\text{PtCl}_2 \cdot 2\text{P}(\text{OC}_2\text{H}_5)_3$ and $\text{PtCl}_2 \cdot 2\text{P}(\text{OC}_3\text{H}_7\text{-i})_3$ have been converted into the corresponding iodides. 3. By the action of thiourea on the complexes $\text{PtCl}_2 \cdot 2\text{P}(\text{OR})_3$ (where $\text{R} = \text{CH}_3$; C_2H_5 ; $\text{C}_3\text{H}_7\text{-i}$), crystalline compounds have been prepared which correspond in their analyses to, i.e. p.42 where $\text{R} = \text{CH}_3$; C_2H_5 and $\text{C}_3\text{H}_7\text{-i}$. © 1953 Consultants Bureau.

<http://dx.doi.org/10.1007/BF01198857>
