

Orthoamide, LXIII [1]. Tris(dichlormethyl)amin, ein neues breit anwendbares Formylierungsmittel für Aromaten*

Orthoamides, LXIII [1]. Tris(dichloromethyl)amine, a New Formylating Reagent for Aromatic Compounds of Wide Scope

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The reagent system formed from tris(dichloromethyl)amine (**5**) and aluminium chloride allows the formylation of aromatic compounds. The scope of the method is comparable with that of the Olah formylation and the Groß-Rieche procedure, since benzene and even chlorobenzene can be formylated. One formyl group is transferred from **5** to the aromatic nucleus. In order to find optimal reaction conditions, the molar amounts of aromatic compounds, **5** and aluminum chloride were varied as well as reaction temperatures and solvents. The activation of **5** with other Lewis acids is also described.

Key words: Tris(dichloromethyl)amine, Aromatic Aldehydes, Formylation, Electrophilic Aromatic Substitution