Abstract

This diploma thesis describes synthesis of trichloroacetyl esters of aldols which were obtained by a reaction of trichloroacetic acid with formaldehyde and another comercial aldehyde. Used were hydratopaldehyde, isobutyraldehyde, 2-methylpentanal, 2-ethylhexanal and 2-ethylbutanal. Some of these esters were described in the literature but only in part, several of them are new compounds. Excellent yields and clean products prove that the applied method is a good way to achieve these compounds that can be easily used for further processes.