ABSTRACT

Charles University in Prague

Faculty of Pharmacy in Hradec Králové

Department of Inorganic and Organic Chemistry

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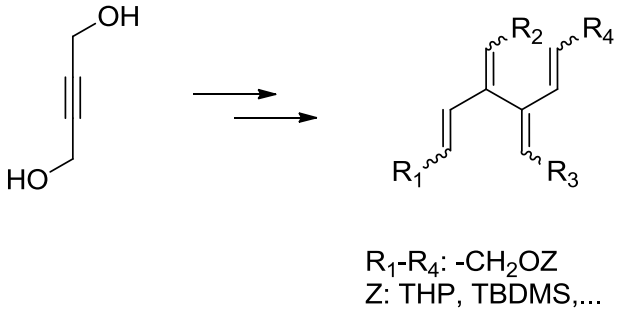
Title of Thesis: Synthetic studies towards substituted dendralenes

The aim of my thesis was to develop an efficient method to synthesize dendralenes with hydroxymethyl moiety attached to the double bonds. These hydroxyls can be protected by various groups (THP or silyl ether formation) during the building of target dendralene. Employed methodology for the formation of dendralene core was hydroalumination-iodation reaction followed by Sonogashira coupling. However, due to lower stability of some intermediates and the necessity of preparing more of them, the overall reaction sequence was not yet finished.



R_1-R_4: -CH_2OZ
Z: THP, TBDMS,...