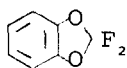


SYNTHESIS AND CHEMISTRY OF FLUORINATED BENZODIOXOLES AND
-DIOXENS

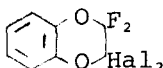
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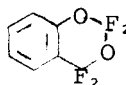
The synthesis of benzodioxoles and benzodioxens, which are fluorinated (halogenated) in the bridge, will be described. The 1.3-benzodioxole I and 1.4-benzodioxens II are obtained from *o*-dihydroxybenzene and 4H-1.3-benzodioxen III is obtained from 2-methylphenylcarbonochloridic acid.



I



II



III

The different behaviour of the fluorinated heterocycles on being treated with Lewis- and Brønstedt-acids will be discussed as well as the electrophilic reactions of the aromatic nucleus and the observed orientation rules. The particular properties of these compounds will be explained by comparing their physical data with those of similar compounds of unfluorinated cyclic or open chain structure. Derivatives of I - III are intermediates for plant protecting agents for different fields of application.