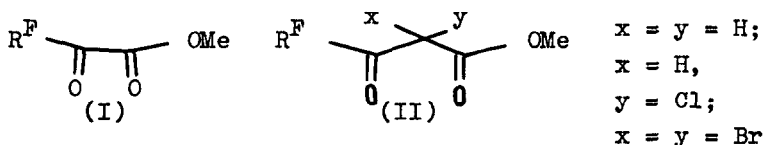


REGIOSPECIFICITY REACTIONS OF THE ESTERS OF FLUORINATED α - AND β -KETOACIDS WITH NUCLEOPHILIC REAGENTS

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The data about regiospecificity of reaction of the fluoroalkylcontaining esters of α -ketoacids (I) and β -ketoacids (II) with HO-, HS- and HN nucleophiles are discussed. This regiospecificity is conditioned by two reactional centers availability. There are ester and carbonyl groups.



Dependence between reactivity of fluorinated ketoester and mutual disposition of both reactional center (next (I) or isolated over $-\text{CH}_2-$, $-\text{CHCl}-$, $-\text{CBr}_2-$ (II)) is under consideration. Peculiarity of the process is conditioned by the structure of fluoroalkyl substituent R^{F} for (I) and for (II), by presense of halogen atom in α -position for (II) and by enolisation of (II) if x = y = H and x = H, y = Cl.