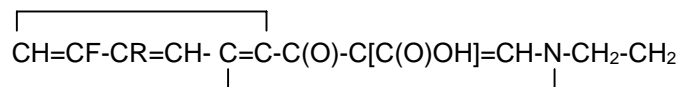


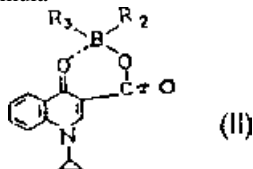
94-0132

The Method of obtaining chinolyncarboxylic acids or its salts which can be used in pharmaceuticals

The invention relates to heterocyclic substances, particularly to obtaining chynolyncarboxyl with the general formula



in which R is piperazinyl, 4-methylpiperazinyl, 4-ethylpiperazinyl, or its salts which can be used in pharmaceuticals and are active from antibacterial point of view and used in medicine. The Aim of the invention is to increase the efficiency of the special product and to reduce the time of processing, to ensure at the same time a good selectivity. The synthesis is done by the reaction of appropriate derivatives of chinolyn with the general formula



in which R_2 and R_3 are halogene, C_2-C_6 alkyloxid group with the appropriate derivatives of piperazini with the general formula $R_4-N-CH_2-CH_2-NH_7-CH_2$ is CH_3 or C_2H_5 at the temperature of $90-110^\circ\text{C}$ in a solvent medium with a subsequent hydrolysis, separating the special product in the form of an acid or its salts. It is a good idea to as a solvent in an sulfoxid and hydrolysis in an acid medium or alkalyn (NaOH). It is useful to use a medium to fix an acid as an example the excess of piperazyne with the formula above indicated.

Taking into account all these conditions it is possible to increase the efficiency of the process.