SYNTHESIS OF DERIVATIVES ON THE BASIS OF 1-PIPERIDINO-2,3-EPOXYPROPAN

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Recently, we showed that the reaction of epichlorohidrine with ketonic and hydroxy piperidine derivatives gave perspective compounds which have biologically active substance (BAS) there are antiviral, antimicrobial, antitumour and effective fungicide.

In continuation work, we studied the reaction of 1-piperidino(morpholine)-2,3-epoxypropan with nucleophilic reagents. Reaction (III,IV) easily passed like \( S_N 2 \) in various media in equimolar quantity reagents (V-VII). Alkylation 2,5-dimethylpiperid-4-one with (VIII-IX) gave bispiperidines (X-XI). The structure were confirmed by IR, C\(^{13}\)NHR spectra and elemental analysis.

Introducing of 2,4,6-trimethyl-\( \alpha \)-chloroacetanilide fragment, famous anesthetic (Marcain, Mesocain, Pirromecain), in compounds (XIII,XIV) allow studying the influence of nitrogen derivatives on activity of «pharokaphors».

References
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