COMPARATIVE INVESTIGATIONS OF HYDROXYAMINE CARANE DERIVATIVE AND ITS R,S-DIASTEREISOMERS WITH STRONG LOCAL ANESTHETIC ACTIVITY

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Our previously conducted pharmacological screening led as to the discovery of the strong local anesthetic activity of the compound designated as KP-23. Earlier crystallographic studies revealed that the compound KP-23 crystallized in diastereoisomeric form in lowest symmetry. The aim of these comparative investigations was to evaluate anesthetic activity of KP-23 and its R,S-diastereoisomers, which were synthesized at the Institute of Organic Chemistry, Biochemistry and Biotechnology, Wrocław University of Technology.

Key words: carane derivatives, diastereoisomers, lidocaine, anesthetic activity

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