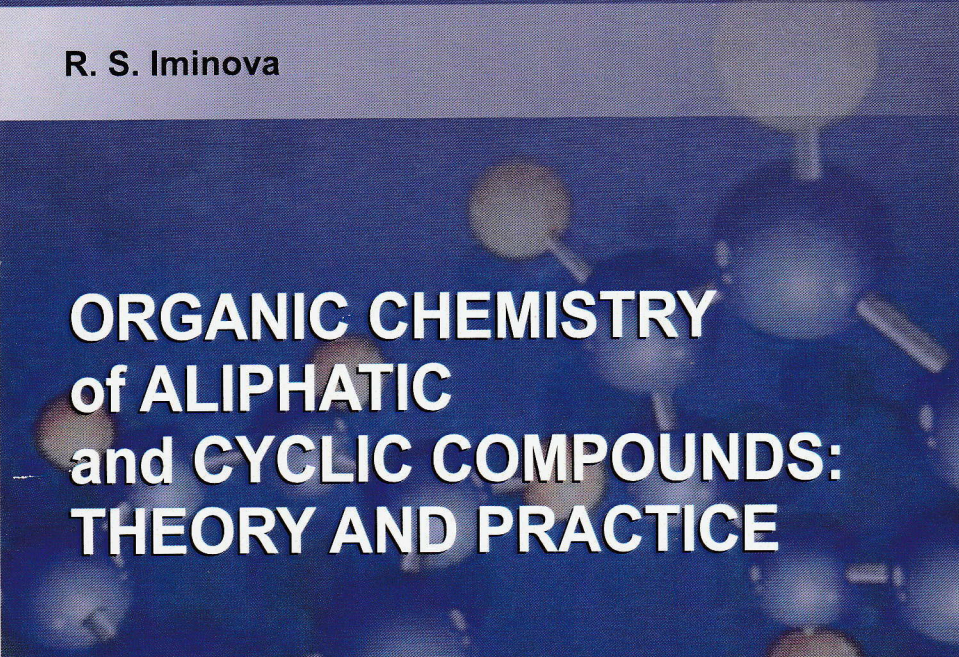


R. S. Iminova

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**ORGANIC CHEMISTRY
of ALIPHATIC
and CYCLIC COMPOUNDS:
THEORY AND PRACTICE**

Educational manual

AL-FARABI KAZAKH NATIONAL UNIVERSITY

R. S. Iminova

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The textbook was developed in accordance with the educational program of special-
ties "5B072100 - Chemical technology of organic substances", completely covers the
practical material of the theoretical aspect of organic synthesis in courses "Organic che-
mistry of aliphatic compounds" and "Organic chemistry of cyclic compounds". This text-
book contains basic safety rules and organization of work in the laboratory, necessary che-
mical operations, methods of purification and separation of organic substances; determina-
tion of physical constants of organic compounds; physical methods of identification of organic
substances, dyes and solvents in organic chemistry. Syntheses of organic substances of
the aliphatic series and the cyclic series with the theoretical context and the type of
reaction is considered in detail.

The textbook is intended for students of Al-Farabi KazNU, the specialty 5B072100 – "Che-
mical technology of organic substances", taking the practical course "Organic Chemistry of
Aliphatic and Cyclic Compounds" and "Organic Chemistry of Cyclic Compounds", and for the course
"Organic Chemistry" for the specialties "5B072000-Chemical technology of inorganic substan-
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