

PP62. ORGANIZATION OF PRODUCTION OF NATURAL AND SYNTHETIC SUBSTANCES OF DRUGS AND BIOLOGICALLY ACTIVE SUBSTANCES IN ACCORDANCE WITH GMP REQUIREMENTS

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Institute of Chemistry of Plant Substances named after. acad. S.Yu. Yunusova of the Academy of Sciences of the Republic of Uzbekistan has been engaged in the chemical study of medicinal plants of Central Asia and the synthesis of new chemical compounds for many years. Also, the department of pharmacology and toxicology of the institute deeply studies the toxicity and pharmacological activity of isolated natural substances from medicinal plants, synthesized compounds in order to create new, original medicines, biologically active additives (BAA) and bioreagents.

As a result of many years of research, the substances of such drugs as galantamine hydrobromide, deoxypeganine hydrochloride - anticholinesterase drugs, allapinin, axarhythmine, antiarrhythmin - antiarrhythmic drugs, ecdisthene - an anabolic drug, tefesterol - an esterogenic drug, medamin, albendazole, fenasal - anthelmintic drugs, etc. have been created.

On the basis of our Institute, a production center has now been created in accordance with international GMP requirements, where several lines for the production of substances based on alkaloids, neutral natural substances, and a line for the production of drug substances obtained on the basis of synthesis are installed.

This is the first production center in our Republic that produces certified drug substances in accordance with international GMP requirements, which provides the substances with the requirements of the Ministry of Health of our Republic and allows for partial export abroad. Currently, the substances of such drugs as allapinin, galantamine hydrobromide, and ecdisthene are exported to the Russian Federation. Work is underway to register the substance of a new antiarrhythmic drug, axarhythmin, in the Russian Federation.