MINOR TRITERPENE SAPONINS FROM THE DRUG PROSPAN

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Triterpene glycosides are components of some plant drugs. It is known that Araliaceae plants are used in officinal medicine. We have investigated the glycoside composition of drug Prospan®. This drug includes extract from leaves of Hedera helix L. (Araliaceae). Prospan® is used for the treatment of cough. Early we had studied predominant triterpene saponins from this drug. Now we have examined minor triterpene saponins.

Triterpene glycosides were extracted with 70%-ethanol. The isolated compounds were identified on TLC with the known samples of triterpene glycosides. The structure of triterpene glycosides was confirmed on the basis of chemical and physical methods data. We have found minor 3-O-α-L-arabinopyranosides of oleanolic acid (1) and hederagenin (2) and 3-O-sulfat-28-O-α-L-rhamnopyranosyl-(1→4)-O-β-gentiobiosyl ester of oleanolic acid (3).