

CONTENT OF GALANTHAMINE AND LYCORINE IN INTRODUCED *GALANTHUS WORONOWII* AND *G. NIVALIS* (AMARYLLIDACEAE)

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SUMMARY

Composition and quantitative content of alkaloids in Voronov's snowdrop (*Galanthus woronowii* Losinsk.) and common snowdrop (*Galanthus nivalis* L.), growing in the Botanical Garden of I. M. Sechenov First Moscow State Medical University (Moscow), were determined. The content of galanthamine in *G. woronowii* was 0.056 ± 0.004 %, and content of lycorine in *G. nivalis* was 0.036 ± 0.002 %; the total content of Amaryllidaceae alkaloids in *G. woronowii* equivalent to galanthamine was 1.033 ± 0.003 %, and the total content of Amaryllidaceae alkaloids in *G. nivalis* equivalent to lycorine was 0.549 ± 0.005 %. *G. woronowii* belongs to galanthamine chemotype, while *G. nivalis* – to lycorine chemotype.

Keywords: *Galanthus woronowii*, *G. nivalis*, Amaryllidaceae alkaloids, phytochemical differentiation.