

ALKALOIDS OF DELPHINIUM GRANDIFLORUM

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We have studied the alkaloids of Delphinium grandiflorum (Siberian larkspur), collected in 1968 in the Buryat ASSR, Tunkinskie Gol'tsy Region in the flowering and incipient fruit-bearing stage. In experiments on cold- and warm-blooded animals it was found that galenical preparations and the combined alkaloids of Delphinium grandiflorum were 1.5 times more active than the analogous preparations of Delphinium elatior.

The combined alkaloids were analyzed by means of paper and thin-layer chromatography [1,2]. We found that the epigeal part of Delphinium grandiflorum contains four alkaloids. The combined alkaloids were separated on a column of alumina. Elution was carried out with benzene-chloroform-methanol (10:5:2). An alkaloid was isolated which was identified by its R_f value, melting point, and IR spectrum as methyllycaconitine. It gave no depression of the melting point with standard methyllycaconitine.

REFERENCES

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