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ALKALOIDS OF *Allium odorum*

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The chemical composition of the plant *Allium odorum* L. (family Liliaceae) [1, 2] has not been studied and there is no information on the presence of alkaloids in it.

In the present communication we give the total amounts of alkaloids in *A. odorum* [3] collected in various regions of the Buryat ASSR in the full vegetation phase according to the collection site and the various plant organs, and also the results of the separation of the combined alkaloids:

Collection site and date	Plant organ	Total amount of alkaloids, %
Environs of Ulan-Ude July 26, 1975	Epigeal part,	0.18
	Hypogeal part	0.05
Environs of the village of Ivolga July 18, 1976	Epigeal part	0.14
	Hypogeal part	0.06
Village of Ivolga, June 15, 1979	Leaves	0.08
	Bulbs	0.10
" " July 21, 1979	Leaves	0.22
	Stems	0.10
" " "	Bulbs	0.05
	Flowers	0.15
" " Aug. 10, 1979	Leaves	0.07
	Stems	0.04
" " "	Bulbs	0.09
	Epigeal part	0.16
Environs of the town of Gusinoozersk July 23, 1976	Hypogeal part	0.05
	Epigeal part	0.16
Environs of the village of Mukhorshibir' July 20, 1979	Hypogeal part	0.05
	Epigeal part	0.11
Environs of the village of Bilyutai July 25, 1982	Hypogeal part	0.05
	Epigeal part	0.13
Environs of the village of Sibir' July 24, 1982	Epigeal part	0.10
	Hypogeal part	0.10

The amounts of alkaloids varied inconsiderably from one growth site to another. The epigeal organs (leaves, flowers, fruit) were rich in alkaloids with small amounts in the bulbs. A high amount of alkaloids was found in the middle of the vegetation period in the phase of full flowering of the plant, when its height reaches 40-50 cm.

For the epigeal and hypogeal parts of *A. odorum* collected on July 24, 1982 in the environs of the village of Sibir', Ulan-Ude region, Buryat ASSR, by extraction with ethanol we obtained the total alkaloids and then separated them on columns of silica gel and alumina (eluent benzene-methanol (15:1), (9:1), and (9:3)). After further separations, a base was isolated with mp 91-92°C, $C_{11}H_{14}N_2O$.

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