

We have studied the alkaloids of the epigeal part of *Solanum nigrum* L. gathered in August, 1969 in the Zhdanov region of the Azerbaidzhan SSR on saline soils.

The isolation of 0.524% of the total glycoalkaloids (on the dry weight) and the separation of the mixture of bases were performed by the method described previously [1] on a column of type KSK silica gel. Elution was performed with ethyl acetate-pyridine-water (20:5:2). Four substances were obtained in the individual state and were purified by repeated recrystallization from methanol.

Substance	Mp, °C	Content of glycoalkaloids, % on the dry weight of the plant
I	274-275	0,203
II	300-304	0,251
III	207-210	Insignificant
IV	320-325	0,034

They are readily soluble in boiling methanol and ethanol.

The melting points, IR spectra, and R_f values of (I), (II), and (III) and of authentic samples of solasonine, solamargine, and β -solamargine, respectively, coincided [2-4]. Mixtures of the compounds mentioned with authentic samples gave no depressions of the melting points.

The melting point and IR spectrum of (IV) differed from those of solasonine, solamargine, and β -solamargine. The IR spectrum of substance (IV) had absorption bands at 3200-3400 cm^{-1} (OH and NH groups), 1640 cm^{-1} (conjugated CO group), 1610 cm^{-1} (double bond), and 1378, 1410, and 1450 cm^{-1} (CH_3 and CH_2 groups).

On the basis of the melting point, R_f values, and IR spectrum, it may be assumed that substance (IV) is a new glycoalkaloid, at least for this plant. The IR spectra of the substances were taken on a UR-20 spectrophotometer (in paraffin oil).

LITERATURE CITED

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