



Abstracts

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PURIFICATION OF N-METHYLCYTISINE FROM WASTES OF CYTISINE MANUFACTURE

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The manufacture of analeptic medicinal preparation cytisine from aerial part of *Thermopsis alterniflora* was organized in the Pilot manufacturing of the Institute of the Chemistry of Plant Substances, Uzbekistan.

After cytisine isolation the rest alkaloid sum contains fair quantities of biologically active alkaloid N-methylcytisine. We worked out a technology for its isolation from this sum. According this method N-methylcytisine is extracted by benzene and evaporated to dryness. Solid residual dissolved in extraction benzene at heating and boiled with active carbon, then filtered. Residue appeared during evaporation then removed, washed by extraction benzene and air dried.

Yield of final product is 15% from mass of air dried waste.

Pharmacological investigations show expressed antitoxic activity of N-methylcytisine.