

**Extract candidate crude compound, treatment for alcoholic fatty liver disease
from *Codonopsis lanceolata*.**

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Objectives

To investigate the effect of *Codonopsis lanceolata* extract on alcoholic fatty liver, we fractionated the extract into 3 fractions, which are methanol extract, 80% ethanol precipitate of water extract, and supernatant.

Materials and Methods

○ Materials

Codonopsis lanceolata was purchased from Jisan Hoengseong Agriculture Association (587-1, Eupsang-Ri, Hoengseong-Eup, Hoengseong-Gun, Gangwon-Do, Korea).

○ Methods

200g of freeze dried *Codonopsis lanceolata* were boiled for 3hrs with 4L of 100% methanol. The extract was evaporated and freeze dried. Filtered with Watmann filter paper, the residues were dried again and boiled for 5hrs with 4L of water. After filtered with Watmann filter paper, 80% ethanol precipitation was performed at 4°C. Precipitate was divided with centrifugation at 5,000rpm for 30min at 4°C and freeze dried. The supernatant was evaporated and freeze dried.

Results

We gained 3 fractions from *Codonopsis lanceolata*, 100% MeOH fraction, 80% EtOH supernatant fraction, 80% EtOH precipitate fraction. The yield of each fraction was 19.21%, 25.27%, and 16.48% respectively.