

Purification and Identification of Homoharringtonine from *Cephalotaxus koreana*

김병식, 김진현*

공주대학교

(jinhyun@kongju.ac.kr*)

A novel isolation and purification method was developed for producing homoharringtonine from *Cephalotaxus koreana*, giving high purity and yield. This method was a simple and efficient procedures for isolation and purification of homoharringtonine from biomass, consisting of solvent extraction, adsorbent treatment, low-pressure chromatography, and high performance liquid chromatography (HPLC).

The crude homoharringtonine was efficiently pre-purified adequately to perform HPLC through a combination with adsorbent treatment and low-pressure chromatography.

The homoharringtonine can be simply obtained with high purity and yield from crude homoharringtonine by HPLC. Purified homoharringtonine was identified by NMR.