

## Extraction and Purification of DADS from Garlic by RP-HPLC

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A reversed phase high performance liquid chromatography(RP-HPLC) was used to extract and separate the Diallyl disulfide(DADS) contained in garlic, and the optimum operating condition was experimentally determined. DADS was extracted by the solvent of methanol from the garlic. The solution containing DADS was collected using analytical column. In the experiment, the mobile phase consisted of water/methanol=25/75 (vol. %), and UV wavelength measured was 210 nm. For analytical chromatography, the injection volume was 20  $\mu\text{L}$  and the flow rate was fixed at 0.7 mL/min. The measured retention time for eupalin was approximately 17 min in the above operating condition.