

P-066: SIMULTANEOUS DETERMINATION OF COUMARINS IN *ANGELICA GIGAS* AND IN VARIOUS *ANGELICA* SPECIES BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY AND MICROSCOPIC STUDY FOR THE EXTRACTS OF *ANGELICA* SPECIES

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A simple and specific analytical method for the quantitative determination of coumarin constituents from the methanolic extract of the roots of *Angelica gigas* was developed. The coumarin constituents present in the roots of *Angelica gigas* were separated with an acetonitrile (0.1 % acetic acid)-water (0.1% acetic acid)-reagent alcohol gradient at a flow rate of 1.0 mL per minute. The HPLC separation was performed on a Phenomenex C12 reversed phase column with detection at 328 nm. The method was successfully used to study the percentage compositions of coumarins present in various *Angelica* species procured from S. Korea. The *Angelica* species were compared microscopically and detail description was provided for *A. gigas*.