

Development a simultaneous determination method of paeoniflorin and albiflorin from Paeoniae Radix by HPAEC with Pulsed amperometric detection

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Paeoniflorin and albiflorin are important compounds formed part of the quality assurance of Paeoniae Radix. This paper describes specific assay for the simultaneous determination of paeoniflorin and albiflorin. After liquid-liquid extraction (butanol), samples were analyzed by high-performance anion-exchange chromatography coupled with pulsed amperometric detection. We analyzed paeoniflorin and albiflorin from ion column (Carbopac PA1 analytical, 4x250 mm, 5 μ m) with mobile phase containing 100 mM sodium hydroxide. This method could be applied to extraction of Paeoniae Radix and Traditional Chinese Medicines contained it because this extraction method reduced obstructive peaks. So this method could be used the quality assurance of Paeoniae Radix.