

DEVELOP ISOLATION PROCEDURE AND ESTABLISH SOME REFERENCE STANDARDS FOR QUALITY INSPECTION OF RADIX GINSENG AND RADIX PANASIS NOTOGINSENG

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ABSTRACT

Radix ginseng and *Radix panasis notoginseng* are precious and common herbal materials in Vietnam. However, these herbal materials have a high risk of being counterfeited or low quality. To control their quality in the Vietnamese market, we need to have reference standards such as: ginsenoside Rg1, ginsenoside Rb1 and notoginsenoside R1. So, we developed a process for isolation and established these reference standards. Using the built process we obtained 7.46 g ginsenoside Rg1 (content: 94.05 % ; efficiency: 48.3 %); 7.85 g ginsenoside Rb1 (content: 88.59 %; efficiency: 38.3 %) and 2.1 g notoginsenoside R1 (content: 94 %; efficiency: 51.2 %). From the results, we established 714 standard Rg1 vials, 740 standard Rb1 vials and 200 standard R1 vials. These are provided for laboratories and the quality control system to monitor quality of *radix ginseng*, *radix panasis notoginseng* and herbal products contain *radix ginseng*, *radix panasis notoginseng*.