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## Radioimmunoassay for the Determination of Ginseng Saponin, Ginsenoside Rg<sub>1</sub>\*

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Radioimmunoassay method for the determination of ginsenoside Rg<sub>1</sub>, one of the major saponins of *Panax ginseng* root, was established. The side chain of ginsenoside Rg<sub>1</sub> was modified and coupled to BSA. <sup>125</sup>I-Labelled compound of ginsenoside Rg<sub>1</sub> was prepared from a ginsenoside Rg<sub>1</sub>-tyramine conjugate. Immunization of rabbits with the hapten-BSA conjugate gave antiserum possessing high affinity and specificity toward ginsenoside Rg<sub>1</sub>. Ginsenoside Rg<sub>1</sub> can be determined by the established radioimmunoassay method over a range of 250 pg—10 ng per tube.

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