

P45 Seven New Ginsenosides From a New Processed Ginseng

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We reported a new processed ginseng with increased biological activities which is named as "*sun ginseng* (SG; 仙蔘)". Study on the saponin constituents of SG led to the isolation of seven new ginsenosides named as ginsenoside Rk₁, Rk₂, Rk₃, Rs₄, Rs₅, Rs₆ and Rs₇. Ginsenoside Rk₁, Rk₂ and Rk₃ were the $\Delta^{20(21),24(25)}$ -diene dammarane compounds, while ginsenoside Rs₄, Rs₅, Rs₆ and Rs₇ were mono-acetylated compounds. Many other ginsenosides which were reported as minor constituents of red ginseng were also isolated, which include 20(S)-Rg₃, 20(R)-Rg₃, Rg₅, Rg₆, F₄, Rh₄, 20(S)-Rs₃ and 20(R)-Rs₃. The major ginsenosides of SG were 20(S)-Rg₃, 20(R)-Rg₃, Rk₁ and Rg₅.