Production of tanshinones (tanshinone I and IIA) was determined in roots of *Salvia przewalskii* micropropagated plants. It was found that the total tanshinone content (tashinone I and tashinone IIA) was dependent on the age of the analyzed plants. The roots of 2-year-old *in vitro* regenerated plants at flowering stage produced highest tanshinone levels (3.8 mg/g dry weight of tanshinone I and 7.6 mg/g dry weight of tashinone IIA).

**Key words:** *Salvia przewalskii*, Tanshinone I and Tanshinone IIA