



## Study on Pharmacokinetics of Amygdalin After Oral Administration of *Semen Persicae* Extraction in Rat Plasma by HPLC

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**SUMMARY.** *Semen Persicae* was a traditional Chinese medicine for the treatment of diseases such as inflammation and hyperlipemia. Amygdalin was one of the main active ingredients of this traditional Chinese medicine. In this paper, pharmacokinetic study was conducted to obtain pharmacokinetic parameters of amygdalin after oral administration of *Semen Persicae* extraction in rat plasma. HPLC-UV was used to determine the concentration of amygdalin in rat plasma at different time points after administration. The main pharmacokinetic parameters of amygdalin in rat were obtained based on the analysis of the plasma sample. The pharmacokinetics of amygdalin was fitted with a one-compartment model and it eliminated relative slowly in rats.

**KEY WORDS:** *Semen Persicae*, Amygdalin, Pharmacokinetics, One-compartment model.

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