



## New HPLC Method for Quality Control of $\beta$ -Escin in *Aesculus hippocastanum* L. Hydroalcoholic Extract

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**SUMMARY.** The major phytoconstituent present in *Aesculus hippocastanum* L. is a complex mixture of triterpene saponin glycosides known as escin. The objective of this study was to develop and validate a simple and fast HPLC method for quantification of  $\beta$ -escin in *A. hippocastanum* L. hydroalcoholic extract. It was proposed, developed and validated a method by liquid chromatography with UV detection (HPLC-UV). The method was validated for specificity, linearity, limits of detection and quantification, precision, accuracy and robustness and was proven adequate for quality control of this natural product.

**KEY WORDS:** *Aesculus hippocastanum*, High pressure liquid chromatography, Quality control.

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