

# Qualitative Evaluation for the Establishment of Chinese Medicine Reference Standard—Paeoniflorin

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## ABSTRACT

The raw material of paeoniflorin was examined prior to the preparation of the “Paeoniflorin Reference Standard”. The physico-chemical properties of the candidate material were evaluated by a collaborative study from six laboratories. Analytical data obtained were summarized as follows: The UV maximum absorption wavelength: 231.8 nm and the specific absorbance at the maxima wavelength was 270.1. IR Spectra showed the IR absorption were at 3400, 1710, 1605, 1580 and 1280  $\text{cm}^{-1}$ . HPLC analysis showed 1~8 impurities where individual amount were  $\leq 0.30\%$  and the total amount from any single laboratory was  $\leq 0.72\%$ .

Base on the above results, the candidate material met the requirement of authorization as the Paeoniflorin Reference Standard.

Key words: paeoniflorin, Chinese medicine reference standard, collaborative study

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