

PHARMACOGNOSTIC STUDIES ON *ADENANTHERA PAVONINA* (LEGUMINOSAE)

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Adenantha pavonina (Sinhala-Madatiya) is a medicinal plant growing in India and Sri Lanka. Leaves of *A.pavonina* are used in Ayurvedic medicine for the treatment of bleeding in the alimentary canal and the urinary tract.

The macroscopy and microscopy of the parts used in Ayurvedic medicine (bark leaves, seeds and roots) of *A.pavonina* were studied. The diagnostic features of these could be used for identification and authentication of the different parts.

The powder microscopy of the bark, leaves, seeds and roots were also studied. The differences in these could be used to detect and distinguish different parts of *A.pavonina* incorporated into a preparation. Suitable TAS (Thermal extraction, transfer and application method for substances on a microscale, according to Stahl) profiles and TLC profiles for the different parts of *A.pavonina* were developed. These profiles can also be used to distinguish the different parts of *A.pavonina* and to detect their presence in a preparation.

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References

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