

## Magnolia officinalis

*Magnolia officinalis* (commonly called houpu magnolia or magnolia-bark) is a species of *Magnolia* native to the mountains and valleys of China at altitudes of 300–1500 m.

It is a deciduous tree growing to 20 m in height. The bark is thick and brown, but does not fissure. The leaves are broad, ovate, 20–40 cm long, and 11–20 cm broad. The flowers are fragrant and 10–15 cm wide, with 9–12 (rarely to 17) white tepals, and appear from May to June.

The two varieties are:

*M. officinalis* differs very little from *Magnolia obovata*; the only difference consistently observed between the two is that the fruit aggregate of *M. officinalis* has a rounded base, while that of *M. obovata* has an acute base. Further research may or may not eventually determine if *M. officinalis* should be treated as a subspecies of *M. obovata*.<sup>[3]</sup>

The highly aromatic bark is stripped from the stems, branches, and roots and used in traditional Chinese medicine, where it is known as hou po (厚朴; thus the common name). The traditional use indications are to eliminate damp and phlegm, and relieve distension.<sup>[4]</sup>

Today, the bulk of bark used for commercial and domestic use is supplied by plants in cultivation.

The bark contains magnolol and honokiol, two polyphenolic compounds that have been demonstrated as peroxisome proliferator-activated receptor gamma (PPAR gamma) agonists and GABAA modulators.<sup>[medical citation needed]</sup>

Bud

