

30 *Terminalia arjuna* (Roxb.) Wight & Arn. (Kakubhah, Paratha)

Drug consists of dried stem bark of *Terminalia arjuna* (Roxb.) Wight & Arn. (A & B); Fam. Combretaceae¹. The plant is a large evergreen deciduous tree common in plains and foothills of Himalayas and also planted for shade and ornament.



A. Tree



B. Flowering and fruiting twigs



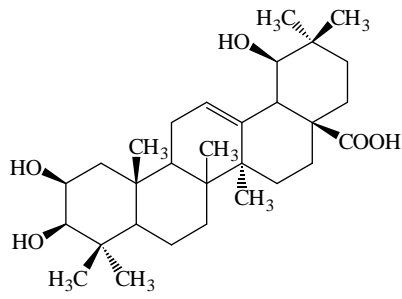
C. Pieces of stem bark

Terminalia arjuna (Roxb.) Wight & Arn.

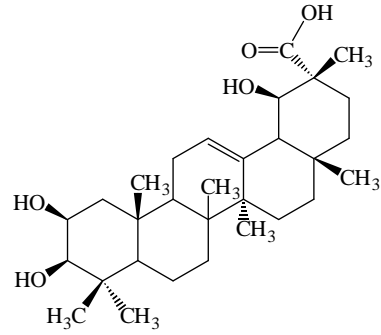
Chemical constituents

Major

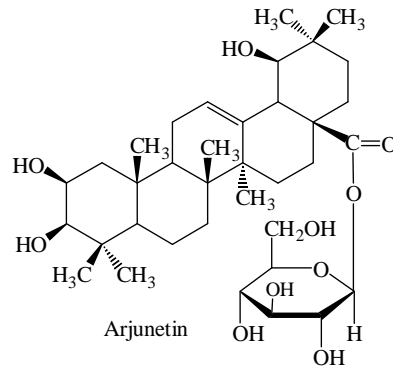
Hydrolysable and condensed tannins, ellagic acid, arjunin, arjunic acid, arjunetin, arjunolitin, friedelin, terminoic acid, arjungenin, arjunglucoside I, II.



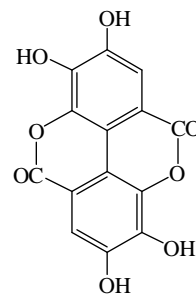
Arjunic acid



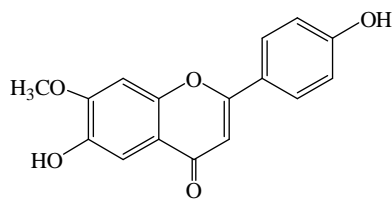
Terminoic acid



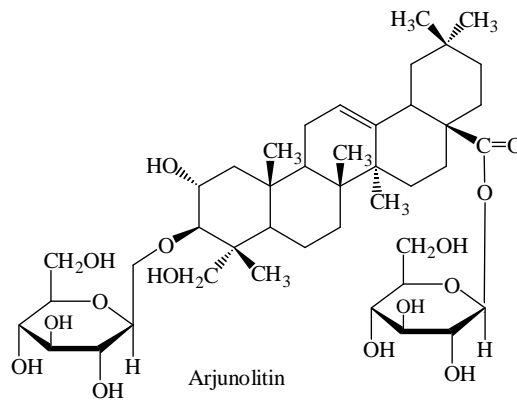
Arjunetin



Ellagic acid

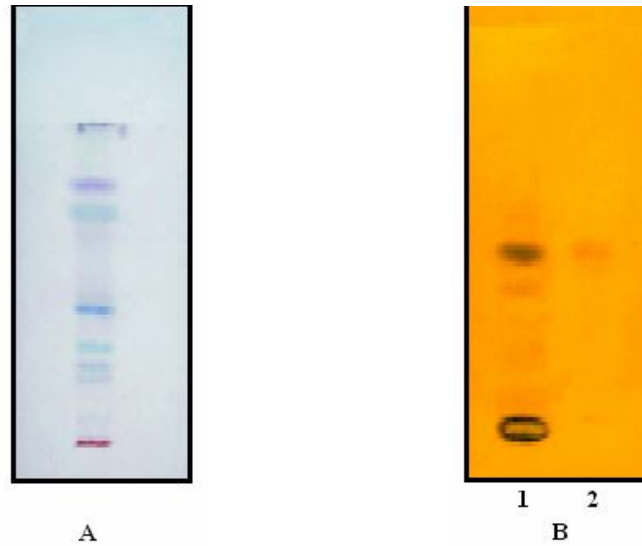


Arjunolone

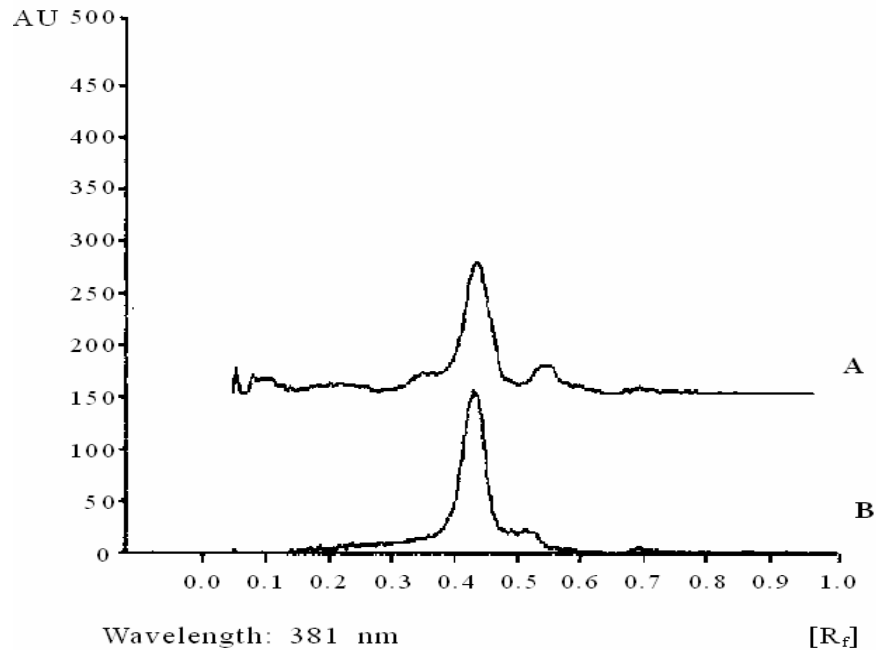


Arjunolitin

TLC/ HPLC Details



TLC profiles of test solution of *Terminalia arjuna* stem bark.
A. Test solution I (derivatized with anisaldehyde-sulphuric reagent);
B. Test solution II (derivatized with ferric chloride solution)
1 : Test solution II; **2 :** Ellagic acid standard.



TLC densitometric scan at 381 nm.
A. Test solution of stem bark of *Terminalia arjuna*;
B. Ellagic acid standard.