

19 *Commiphora wightii* (Arnott) Bhandari (Guggulu)

Drug consists of oleogum resin from *Commiphora wightii* (Arnott) Bhandari [syn. *C. mukul* (Hook. ex Stocks) Engl.; *Balsamodendron mukul* (Hook. ex Stocks)] (Plate 19.1 A, B, C & D); Fam. Burseraceae. The plant is found in Rajasthan, Gujarat, Assam, Madhya Pradesh and Karnataka.



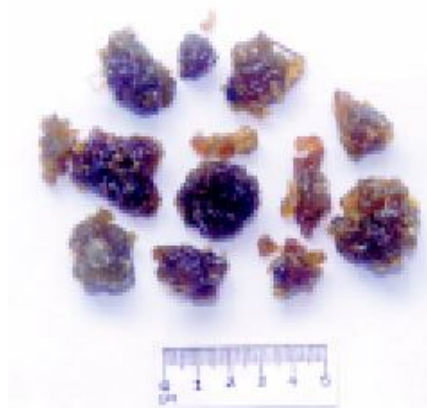
A. Leafy branches



B. Stem and branches



C. Twigs with flower and fruit



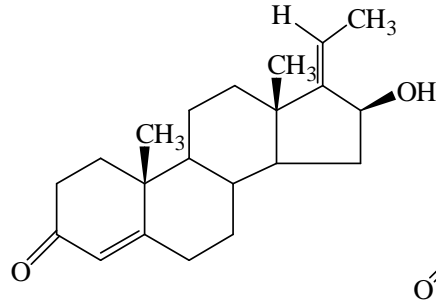
D. Oleogum resin in lumps

Plate 19.1 *Commiphora wightii* (Arnott) Bhandari

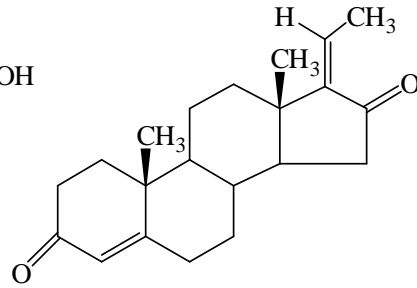
Chemical Constituents

Major

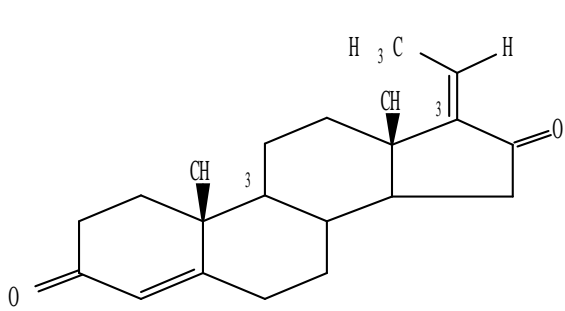
Resin, gum, volatile oil. Volatile oil consists of myrcene, dimyrcene, polymyrcene. Resin contains *Z*-guggulsterone, *E*-guggulsterone, *Z*-guggulsterol, guggulsterol I-V.



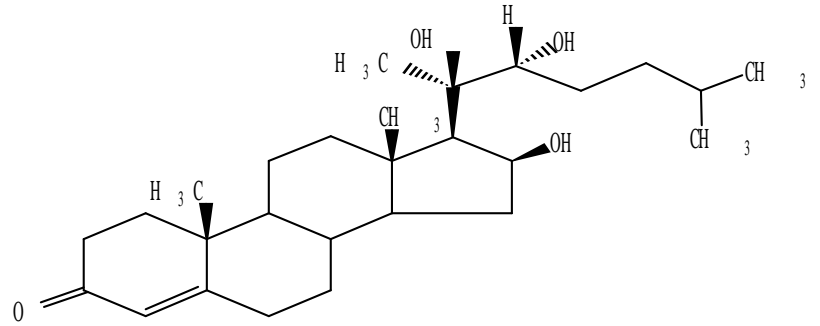
Z-Guggulsterol



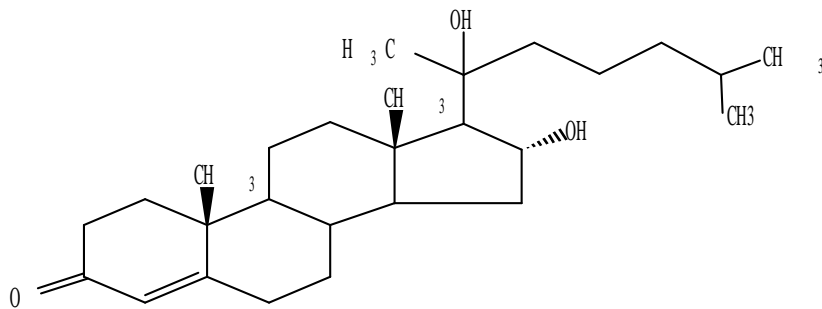
Z-Guggulsterone



E-Guggulsterone



Guggulsterol I



Guggulsterol III