

CHAPTER 3

Recent Reports on Imperative Medicinal Potentials of *Boswellia serrata*

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ABSTRACT

Boswellia serrata is thought of as an Ayurvedic medication and intimate Burseraceae class. The plant is cosmopolitan in India and grows in the dry steep forests of provinces such as Rajasthan, Madhya Pradesh, Gujarat, Bihar, Assam, Orissa, etc. Hindus, Babylonians, Persians, Romans, Chinese, Greeks, and Yankee civilizations used it primarily for ritual, embalming, and for its incense in cultural functions. This plant is mentioned in ancient Unani texts as an efficient remedy for respiratory disease, asthma, cough, vessel diseases, diarrhea, dysentery, ringworm, boils, fevers (antipyretic), skin, and blood diseases, mouth sores, channel discharges, etc. The qualitative phytochemical examination of plant extract indicates the presence of tannic acid, pentosans, lignin, holocellulose, β -sitosterol, volatile (cadinene, eleneol, geraniol, linalool, β -pinene, phenols, terpenyl acetate, bornyl acetate, etc.) and non-volatile (diterpene alcohol serratol, α -amyrin, and β -amyrin, triterpenic acids viz., boswellic acid) oils. It primarily possesses anti-arthritic, medicine, anti-hyperlipidemic, anti-cancer, hypoglycemic, anti-asthmatic, analgesic, hepatoprotective, etc. pharmacological activities.