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A Review on Senna and its uses

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Abstract: Senna is also contain sennosoids which are useful in stimulant laxative and also in constipation. Senna having many types such as, Senna alexandrina, Indian Senna. In this review paper we are known about it is chemical constituents, pharmacological uses, chemical test and it's therapeutic response on constipation etc. The main constituents of Senna are sennosoids and Senna family is legume and subfamily caesalpinioideae. Senna include herbs, shurbs and trees.

Keywords: Introduction, cultivation and collection, chemical constituents, uses.

Introduction: Plant is the traditional system of medicine. Plants are used on a large scale for the treatment of human disorder. Herbal medicine are being used in developed countries and developing countries because herbal drugs are safe and provide biological activities without side effects. In Africa, Iran, Iraq, Pakistan, Srilanka and India these Senna are widely distributed in this countries.

The species of senna, Senna italica mill having the following pharmacological action such as anticancer, antiviral, antifungal and analgesic. It having the flower yellow in color and pods are thin, flate and curve. (1)

Synonyms: senna leaf, senna folium, Indian Senna.



Biological sources: It is dried leaves of *Cassia senna* L. or *Cassia angustifolia*. The family of senna is **Leguminosae**. (2)

Cultivation and collection: The leaves are collected from the plant and the pods are collected from the same plant. The leaves and pods are harvested at the same time. Pods are contained the best quality with no foreign organic matter while leaves and pieces of stem having some impurities of foreign particles. These qualities are used for the preparation of galenicals. (3)



Fig senna pods.



The distribution of senna drug is completed through port sudan on the red sea .

Fig.senna plants with flowers.

Chemical constituents: Senna contained anthraquinone derivatives. The dianthrone glycosides and to crystalline glucoside sennosoids A and B. These sennosoids are

having the property of laxative. It contains flavonols such as isorhamnetin, kaempferol etc. The phytosterol, resins, calcium oxalate and carbohydrates are found in it. (4)05

Dianthrones-Sennosides

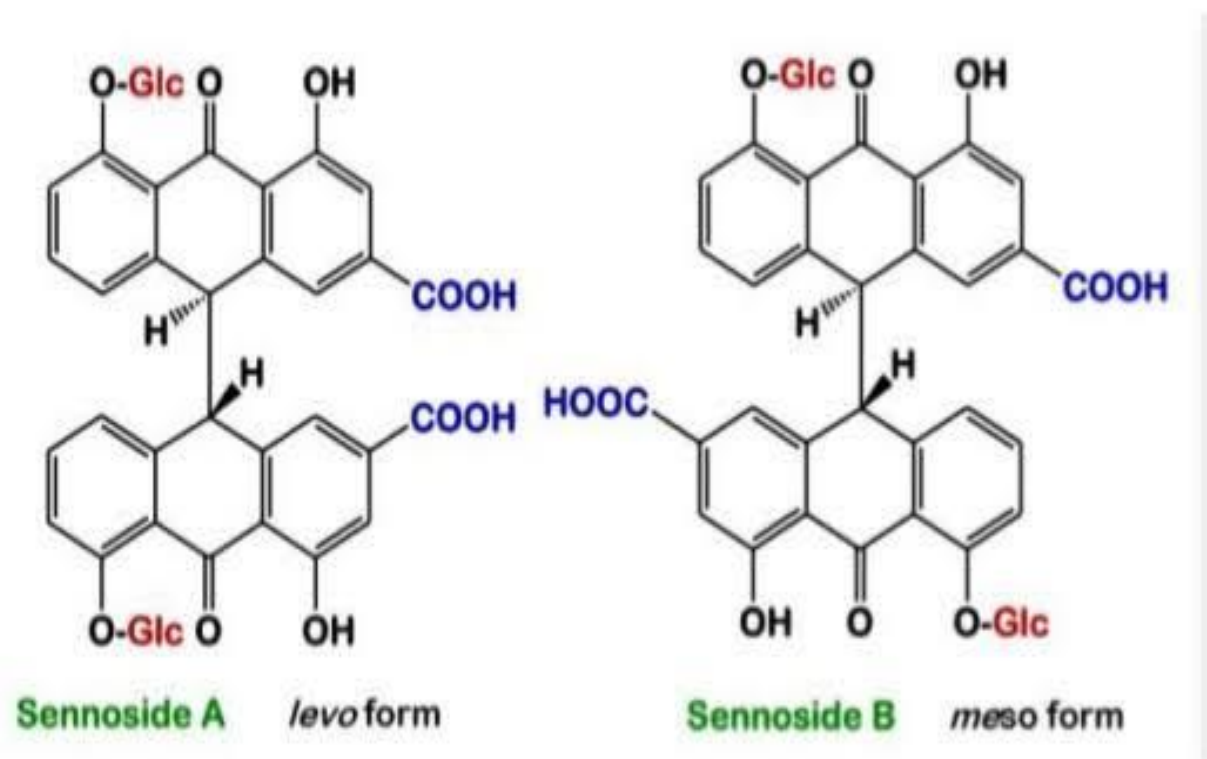


Fig chemical constituents of Senna.

Pharmacological uses:

- (1). **Antioxidant activity:** The antioxidant activity are shown by the senna extraction to the acetone.
- (2). **action:** many type of component are founded in senna which shown the cytotoxic activities. (5)77
- (3). **activity:** The antifungal activities are shown by the it's isolated components such as cannabinoid, hexadecanoic acid and flavonol etc.

(4). Antidiabetic action: The antidiabetic action of Senna are shown by it's components.

(5). It shows antihelmenthic activites.

(6). It having laxative property.

(7). The antiviral activity are shown by it's.

(7). It having the property of antihyperlipidimic activities.

Conclusion: In this review paper we are know about it's chemical constituents and pharmacological activities.

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