

Pharmacognostic and Pharmacological Review on Aloe Vera

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Abstract: *Aloe vera* has been traditionally used to treat skin injuries (burns, cuts, insect bites, and eczemas) and digestive problems because its anti-inflammatory, antimicrobial, and wound healing properties. This medicinal plant has been aimed at validating traditional uses and deepening the mechanism of action, identifying the compounds responsible for these activities. The most active compounds are aloe-emodin, aloin, aloesin, emodin, and acemannan. This review provides an overview of current pharmacological studies of active constituents, and its types. Aloe to anti-cancer action, skin and digestive protective activity, and antimicrobial properties. The promising results of these studies in basic research encourage a greater number of clinical trials to test the clinical application of *Aloe vera* and its main compounds, particularly on bone protection, cancer, and diabetes. In this review, we summarize an update of the pharmacological activities (in vitro, in vivo, and clinical trials) of *Aloe vera*.

Keywords: Aloe vera extracts, isolated compounds, Pharmacological Activity

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