

# A Mini Review of the Latest Pharmacognostical and Pharmacological Research on Acacia Catechu Heartwood

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**Abstract:** For thousands of years, Austronesians have used *Acacia Catechu L. (Fabaceae)* in huge amounts as a holistic treatment. Anti-inflammatory, antibacterial, antifungal, astringent, anthelmintic, analgesic, anti-diabetic, wound healing, anti-tumor, and immune-boosting activities characterize the whole *A. Catechu* plant. Chemical study has shown substantial quantities of flavonoids, phenolic chemicals, and tannins in this widely grown plant, including epicatechin/catechin, epigallocatechin, quercetin, taxifolin, and procyanidin. These active components show the drug's outstanding anti-inflammatory, antioxidant, astringent, and anti-diabetic actions. Katha, a potent medicine, comes from this plant's heartwood. Epicatechin, or catechin, is the major phytoconstituent in heartwood. Catechin in this plant is anti-inflammatory, antioxidant, antibacterial, and anticancer. *A. Catechu* heartwood has several medicinal effects, indicating a wide research area. This review covers solely the latest *A. Catechu* Heartwood pharmacological and pharmacognostical characteristics.

**Keywords:** Acacia catechu, heartwood, recent update, pharmacognostical.