

PubMed

Display Settings: Abstract

Z Naturforsch C. 2012 Mar-Apr;67(3-4):163-71.**Gastroprotective activity of *Sterculia striata* A. St. Hil. & Naudin (Malvaceae) in rodents.**Sousa JA, Oliveira IS, Silva FV, Costa DA, Chaves MH, Oliveira FA, Nunes PH, Oliveira RC.

Medicinal Plants Research Center, Federal University of Piauí, Av. Nossa Senhora de Fátima s/n, 64049-550 Teresina, PI, Brazil.

**Abstract**

The *Sterculia striata* ethanolic extract (Ss-EtOH) inhibited gastric lesions induced by ethanol, HCl/ethanol, and ischemia/reperfusion, but not those induced by indomethacin, and did not alter the gastric secretion. Ss-EtOH restored the catalase activity and content of nonprotein sulfhydryl groups in the stomach of mice treated with ethanol. The gastroprotection induced by Ss-EtOH in the ethanol-induced gastric lesion model was abolished by N(G)-nitroL-arginine methyl ester (L-NAME) pretreatment, suggesting the involvement of nitric oxide and antioxidant compounds, but not prostaglandins, in this activity. Lupeol obtained from Ss-EtOH promoted gastroprotection as well as the extract at the same dose, and it must therefore contribute to the observed effects.

PMID: 22624332 [PubMed - indexed for MEDLINE]

**Publication Types, MeSH Terms, Substances**