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## Anti-inflammatory studies of Grewia crenata leaf extract in albino rats

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**G***rewia crenata* is used locally in the treatment of fractured bones, wound healing and inflammatory conditions. The Ganti-inflammatory activity of hydromethanolic extract of *G. crenata* leaves was investigated using egg albumin induced-hind paw oedema model in albino rat. The extract produced a time-dependent inhibition of egg albumin induced-hind paw oedema at 30th minutes up to 150<sup>th</sup> minutes in all the groups compared to the control. Significant reduction (p<0.05) of hind paw oedema was observed 150 minutes after egg albumin injection. The percentage inhibition produced by the extract at 200 mg/kg (22.1%) was comparable to that produced by 10 mg/kg indomethacin (24.9%) at the 150th minutes of postegg albumin injection. Preliminary qualitative phytochemical analysis revealed the presence of saponins, steroids, flavonoids, anthraquinones and glycosides. The results obtained in this study suggest that *Grewiacrenata* can be a potential source of anti-inflammatory agent and validates its use in the treatment of inflammatory conditions.

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