## Anti-inflammatory and analgesic effect of Cardiospermum halicacabum (Linn)

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## ABSTRACT

*Cardiospermum halicacabum* (Linn) (CH) is widely used as a folk medicine for rheumatism. In this study, HPTLC profile and pharmacological activity in terms of analgesic and anti-inflammatory profile of 75 % ethanolic extract of CH is evaluated. The analgesic activity is evaluated in different methods using hot plate and tail immersion. The anti-inflammatory activity is evaluated by carrageenan induced rat paw edema. HPTLC profile showed the presence of 6 peaks in the mobile phase like Ethylacetate : Methanol (7:3) with the maximum peak area 25.16 %. In both the methods of analgesic test, significant difference has been observed at 150 mg/kg b.wt. of extract (p<0.05). CH extract also exhibits a significant (p<0.05) anti-inflammatory activity. In conclusion, CH's 75% ethanolic extract exhibits both analgesic and anti-inflammatory activity.