

Anti-Inflammatory and Anti-Diarrhoeal Activities of a Steroidal Indoxyl

Abstract:

The anti-inflammatory and antidiarrhoeal activities of 3 β -Hydroxy-16, 17-seco-16-nor-5-androsten-15-(2-indoxyliden)-17-oic acid (I) are reported. After intraperitoneal administration, compound (I) gave an ED₅₀ of 9.5 mg/kg using the carrageenan induced rat paw oedema anti-inflammatory assay method. Indomethacin had an ED₅₀ of 5.8 mg/kg in this assay. Compound (I) and indomethacin caused comparable and dose-dependent varying degrees of delay in diarrhoea and also significantly reduced net colonic water flux into the colon of rats induced by castor oil. Key words: Steroidal Indoxyl, Anti-Inflammatory, Antidiarrhoeal.