

Estrogenic and anti-Inflammatory activities of a steroidal indoxyl

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Abstract:

The estrogenic and anti-inflammatory activities of 3-methoxy 16,17-seco16-norestra 1,3,5-trien-15-(2'-indoxyliden)-17~oic acid is reported. After' intraperitoneal administration, the dose of this compound required to reduce swelling of the rat paw by 50%(EOso) was 14.1mg/kg using 'the carrageenan-induced rat paw oedema anti-~inflammatory assay method.indomethacin had an EOso of 3.2 m~ in this assay while dexamethasone had an EOso of 1. 7 mg/kg. The estrogenic activity of the compound after intramuscular administration in rats was 0.72 relative to diethylstilbestrol, when the two compounds were assayed at three dose levels of 1.0, 0.3 and 0.1 mg/kg.