

IIIM-064

[IIIM(B)-064-CEF – for rheumatoid arthritis (standardized botanical extract) – DCGI]

IIIM(B)-064 is a hydroalcoholic (1:1 – water- ethanol) extract of Indian medicinal plant. It inhibits proinflammatory cytokines TNF-alpha and IL-6, at a very low concentration of 3.12 and 1.56 µg/ml. Extract has been standardized using four chemical markers. Extract also passed all CMC quality control tests such as microbial load, metal content, pesticide and aflatoxin content. Extract was found safe up to 175 mg/kg dose. Extract showed anti-inflammatory and anti-arthritic activity in carrageenan induced, Mycobacterium induced and collagen induced arthritis models. In CIA model in DBA/1J mice, it showed promising anti-inflammatory activity at 25 mg/kg dose (showed 50% inhibition after 12 weeks of treatment).