

(54) Title of the invention : EXTRACTION OF RUTIN AND PREPARATION OF PERORAL NANOSUSPENSION FOR EFFECTIVE ANTITUSSIVE/EXPECTORANT THERAPY, METHOD THEREOF

(51) International classification : A61K0009000000, A61K0009100000, A61K0031704800, A61K0009200000, A61K0031485000

(86) International Application No : NA
Filing Date : NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number : NA
Filing Date : NA

(62) Divisional to Application Number : NA
Filing Date : NA

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(57) Abstract :

EXTRACTION OF RUTIN AND PREPARATION OF PERORAL NANOSUSPENSION FOR EFFECTIVE ANTITUSSIVE THERAPY, METHOD THEREOF

ABSTRACT: The present invention relates to extraction of rutin from *Tagetes erecta* having various medicinal values and formulates the nanosuspension for the treatment of cough as antitussive/ expectorant. It replaces the side effects shown by synthetic agents and provides high therapeutic efficacy. In the present disclose, the high pressure homogeniser was used for formulation which provides uniform particle size, high reproducibility, etc. The present invention is a novel and effective method for the extraction of rutin from *Tagetes erecta* and its formulation as nanosuspension for the treatment of cough as antitussive/ expectorant.