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(54) Title of the invention : ETHANOLIC EXTRACT OF HYDNOCARPUS WIGHTIANA AND ITS EVALUATION FOR DERMAL TOXICITY STUDIES

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(57) Abstract :

The present invention relates to the preparation of seed extract of Hydnocarpus wightiana Linn. and its evaluation for the dermal toxicity studies. The prepared ethanolic extract is evaluated for the dermal toxicity studies by using acute and sub-acute toxicity studies. Results of screening studies revealed that the ethanolic extract of Hydnocarpus wightiana (EEHW) seeds contain Carbohydrate, flavonoids, glycoside, amino acid, protein and Tannins. Extract of Hydnocarpus wightiana at a various dose such as 500, 1000 and 2000 mg/kg body weight when applied topically for 28 days, it exhibits nontoxic behavior upto the dose 2000 in sub-acute toxicity studies and 5000mg/kg in the acute toxicity studies. As in present study, higher dose of Ethanolic extract of Hydnocarpus wightiana was used; it suggests that insignificant changes are produced and nontoxic behaviors were observed. Therefore, extract of Hydnocarpus wightiana may be considered safe for topical use and other intended cosmetic applications.

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