

عنوان مقاله:

Assessment of membrane stability, central nervous system depressant, and gut motility effects of Lablab purpureus seeds

محل انتشار:

Journal of Herbmed Pharmacology, دوره 11, شماره 2 (سال: 1401)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

Introduction: Lablab purpureus, under the family of Fabaceae, is a plant with various pharmacological activities. The present study was aimed to investigate the phytoconstituents, membrane stabilizing activity, central nervous system (CNS) depressant potential, and gastrointestinal (GI) motility of the methanol extract of L. purpureus seeds (MELPS). Methods: The methanol plant extract was screened for different phytochemical groups. Mice were classified into four groups for in vivo activities. Group-I was designated as negative control and received distilled water (1 ° mL/kg body weight); group-II served as positive control and received diazepam (1 mg/kg body weight). Group-III and group-IV both were experimental groups and received plant extract at 1 ° and 1 ° mg/kg body weight, respectively. Results: Alkaloids, carbohydrates, saponins, glycosides, tannins, phenols, flavonoids, and proteins were found after phytochemical analysis. On hypotonic solution-induced hemolysis of erythrocyte membrane, MELPS9 (1 mg/mL) resulted in the highest percentage of inhibition (1 ° 1 °

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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