

ACUTE ORAL TOXICITY STUDY OF HONICOF SYRUP IN MICE

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ABSTRACT

Objective: To study the acute toxicity of Honicof syrup in mice.

Material and Method: In this study Honicof syrup was administered to both male and female mice in three different doses. These doses were 10.92 mg/20gm, 54.50 mg/20gm & 109.2 mg/20 gm. The equivalent human doses are 4.2 gm, 21 gm & 42 gm respectively. The maximum dose administered was 10 times the therapeutic dose.

Result: The oral administration of Honicof syrup at the highest dose resulted in no mortalities. Throughout 14 days of the treatment, there was no hyperactivity or depression in animals was noted in both control and treatment groups. No abnormal behavior was seen. There were no tremors, convulsions seen. No writhing was observed. There was no cyanosis, blanching or Inflammation of nasal tips, paws, eyes, ears & tail. Also, No abnormal secretion from mouth, eyes & nose was seen.

Conclusion: There were no sign and symptoms of toxicity observed even for 10 times the therapeutic dose. There was no mortality. Thus overall result of the study indicates that Honicof syrup is non-toxic and safe.

Keywords: Honicof syrup, Acute Toxicity, body weight, cyanosis, non-toxic etc.
