

ACUTE ORAL TOXICITY STUDY OF RASASINDOOR IN MICE

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ABSTRACT

Objective: To study the acute toxicity of Rasasindoor in mice.

Material and Method: In this study Rasasindoor was administered to mice in three different doses. These doses were 0.182 mg/ 20gm, 0.91 mg/ 20gm and 1.2 mg/ 20 gm. The equivalent human doses are 70 mg, 350 mg and 461.5 mg respectively. The maximum dose administered was 10 times the therapeutic dose.

Result: The oral administration of Rasasindoor at the high dose resulted in no mortalities or evidence of adverse effects implying that Rasasindoor is non toxic. Throughout 7 days of the treatment no changes in behavioral pattern and body weight of mice in both control and treatment groups. 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. Thus overall results indicate that, the oral administration of Rasasindoor did not produce any significant toxic effect in mice.

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