

ACUTE ORAL TOXICITY STUDY OF VIMLIV TABLET IN MICE

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ABSTRACT

Objective: To study the acute toxicity of the Vimliv Tablet in mice.

Material and Method: In this study Vimliv Tablet was administered to both male and female mice in three different doses. These doses were 11.856 mg/ 20 gm, 59.28 mg/ 20gm & 118.56 mg/ 20gm. The equivalent human doses are 4.56 gm, 22.8 gm and 45.6 gm respectively. The maximum dose administered was 10 times of the therapeutic dose.

Result: After the oral administration of Vimliv Tablet at the highest dose, no mortalities and morbidity was seen in any of the three groups which indicate that Vimliv Tablet is non toxic. Throughout 14 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. Sedation was absent. Also, No abnormal secretion from mouth, eyes & nose was seen

Conclusion: In conclusion, Vimliv Tablet did not produce any oral acute toxicity in both male and female mice. No death or signs of toxicity were observed in mice treated with Vimliv Tablet at high dose 118.56 mg/20 gm which is 10 times of the human therapeutic dose, thus establishing its safety in use.

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