

ACUTE ORAL TOXICITY STUDY OF NIROCIL TABLET IN MICE

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ABSTRACT

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

Material and Method: In this study Nirocil Tablet was administered to both male and female mice in two different doses. These doses were 5.2 mg/20gm & 10.4 mg/20gm. The equivalent human doses are 2.0 gm & 4.0 gm respectively. The maximum dose administered was 2 times the therapeutic dose.

Result: The oral administration of Nirocil Tablet at the high dose resulted in no mortalities or evidence of adverse effects implying that Nirocil 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. Also, No abnormal secretion from mouth, eyes & nose was seen.

Conclusion: There were no sign and symptoms of toxicity observed in both male and female mice even for 2 times the therapeutic dose. Thus overall results indicate that, the oral administration of Nirocil Tablet did not produce any significant toxic effect in mice.

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