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**FOUR-WEEK REPEATED INTRAVENOUS TOXICITY OF SJ-8029, A NOVEL ANTICANCER DRUG, IN RATS**

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Abstract Four-week repeated toxicity of SJ-8029, a novel anticancer drug, was investigated in rats. Male (body weight  $188 \pm 9$  g) and female (body weight  $155 \pm 6$  g) Sprague-Dawley rats were intravenously administered with SJ-8029 at dose levels of 0.75, 1.5 or 3.0 mg/kg, respectively, everyday for 28 days. No clinical signs, including morbidity, and mortality were observed in animals treated with SJ-8029 throughout the experimental period. There were no significant changes in body and organ weights, feed intake and water consumption. Also, no differences in the values of urinalysis, blood chemistry and hematology were detected. Under the gross, ophthalmoscopic and microscopic examinations, no significant lesions were observed, although light hypertrophy of alveolar walls and a negligible eosinophilic infiltration in heart of a few animals were seen. Taken together, these results indicate that SJ-8029 do not induce significant toxicity up to 3 mg/kg/day in Sprague-Dawley rats.

keyword : sj-8029, anticancer drug