

[P-55]**Embryo and Fetal Developmental Toxicity Study on CONP01
in Pregnant Rats**

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CONP01(fermentation product of hot-water extract of *Achyranthis Radix* etc.) was administered at dose levels of 0, 111, 333 and 1,000 mg/kg/day orally to the pregnant Sprague-Dawley rats (25 rats per group) during the organogenetic period, days 6 to 16 of gestation. All dams were subjected to caesarian section on day 20 of gestation and their fetuses were examined for external, visceral, and skeletal abnormalities. There was no change in the dams body weights, food consumptions, specific clinical signs and gross findings. There was significant decrease only in the absolute and relative weights of right ovary, in 111 mg/kg treatment group, when compared with the vehicle control, whereas other organ weights were not changed. Moreover, no increase in the frequencies of external, visceral and skeletal malformation of fetuses were observed in the treated groups. These results suggest that the oral NOAEL(no observed adverse effect level) of CONP01 may be over 1,000 mg/kg in dams and fetuses of rats.

Keyword : CONP01, Embryo and fetal developmental toxicity, Pregnant rats.