

交流论文

用多终点体内试验法研究硫丹的雌激素活性

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摘要 为研究硫丹是否具有雌激素活性,以摘除卵巢的NIH 雌性小鼠为对象,用多终点体内试验法,观察子宫体重比、子宫积液、动情周期转换、子宫上皮细胞高度及子宫基质细胞层厚度五项指标。结果显示:硫丹组(0.5mg/kg/d,1.5mg/kg/d和3.0mg/kg/d)的五项指标值与阴性对照组相比无显著性差异,且三个组之间无明显的剂量-反应关系。以上结果提示在本实验条件下,硫丹不具有雌激素活性。

关键词 [硫丹](#) [雌激素活性](#) [多终点测定](#)

USE IN VIVO MULTIPLE ENDPOINTS ASSAY FOR STUDYING ESTROUSE IN VIVO MULTIPLE ENDPOINTS ASSAY FOR STUDYING ESTRO2

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Abstract We combined five endpoint s into a single 52day in vivo screening assay to identify estrogenicity of endosulfan. The endpoint s evaluated as markers of esrogenicity included the ratio of uterine weight/ body weight , uterine fluid imbibition , vaginal cornification incidence , uterine stroma cell proliferation and uterine epithelial cell height . The endosulfan were administered daily p. o. for 5 days to sexually mature ovariectomized female NIH mice. Compared with the five endpoint s of the three dosage groups of endosulfan (0.5mg/ kg/ d ,1.5mg/ kg/d and 3.0 mg/ kg/ d) showed no significant difference and no significant dose2response. Thus , endosulfan has no estrogenicity under the experimental condition.

Keywords [Endosulfan](#) [Estrogenicity](#) [Multiple endpoint s](#)

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