

Title	Effect of estradiol and ethynylestradiol on microtubule distribution in Chinese hamster V79 cells
Sub Title	
Author	佐藤, 良博(Sato, Yoshihiro) 榊原, 由美子(Sakakibara, Yumiko) 小田, 泰子(Oda, Taiko) 横田, 恵理子(Yokota, Eriko) 一ノ関, 謙(Ichinoseki, Ken)
Publisher	共立薬科大学
Publication year	1992
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.37 (1992.) ,p.65- 65
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000037-0065

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

Effect of Estradiol and Ethynylestradiol on Microtubule Distribution in Chinese Hamster V79 Cells*

Yoshihiro SATO, Yumiko SAKAKIBARA, Taiko ODA, Eriko AIZU-YOKOTA
and Ken ICHINOSEKI

佐藤良博, 榊原由美子, 小田泰子, 横田恵理子, 一ノ関謙

The effects of estradiol (E_2) and ethynylestradiol (EE_2) on the chromosome number and cellular microtubule architecture of Chinese hamster V79 cells were studied using fluorescent anti-tubulin antibody. Treatment with 20 mM E_2 for 48 h induced only a small amount of tetraploid cells, but the normal microtubule network was disrupted completely by only 3 h of treatment.

This data reveals that E_2 has higher microtubule disruptive activity than diethylstilbestrol in V79 cells.

* 本報告は *Chem. Pharm. Bull.*, 40 (1), 182—184, 1992 に発表.