

5967-27-5

PROG:
55 (15) PSTG (8.)

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1 AND 15
PROG:
55 (16) PSTG (1)

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PRINT T1, AU, 30,48
PROG:

Limonene
5989-27-5

T1 - Inhibition of DMBA-induced mammary cancer by the monoterpene d-limonene

AU - Elagbea JF

AU - Elson CE

AU - Qureshi A

AU - Tanner MA

AU - Gould MN

30 - Carcinogenesis (London); VOL 5, ISS 5, 1984,361-4

AB - CBAC COPYRIGHT: CHEM ABS. Whether the addn. of d-limonene (1) 5989-27-5 to the diets of rats would modify the process of mammary tumor induction by DMBA (37-97-5) was studied. When diets contg. 1000 or 10,000 ppm I were fed to rats from 1 wk before DMBA administration to the end of the expt. (27 wk post-DMBA treatment), a significant redn. in mammary carcinogenesis was obsd. at each level. The inhibition of carcinogenesis was mainly due to an increase in latency; however, major differences in incidence could be seen during the follow-up period. Rats fed 10,000 ppm I had a 72% redn. in mammary tumors when compared to controls at 18 wk post-DMBA treatment. I also caused the regression of frank mammary tumors. No toxicity was evident in these rats even at the highest dose.

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