

TABLE 2.—Effect of  $\Delta^9$ -THC on tumor growth and survival time of BDF<sub>1</sub> mice hosting Lewis lung carcinoma <sup>a</sup>

Treatment	Dose mg/kg	Body weight change (g) <sup>b</sup>	Tumor weights (g) at		Mean survival time (days)	Increased life-span, %
			12 days <sup>c</sup>	21 days <sup>c</sup>		
Control (BSA 7.5%).....	—	-1.6	621±30 (30)	4,880±380 (30)	30.5±0.9	
$\Delta^9$ -THC.....	50	-0.9	238±46 <sup>d</sup> (7)	3,104±274 <sup>d</sup> (7)	37.4±1.7 <sup>d</sup>	22.6
$\Delta^9$ -THC.....	100	-3.4	164±36 <sup>d</sup> (7)	2,290±236 <sup>d</sup> (7)	34.3±1.9	12.4
$\Delta^9$ -THC.....	200	-1.6	174±53 <sup>d</sup> (6)	3,188±380 <sup>d</sup> (6)	38.0±1.9 <sup>d</sup>	24.6
$\Delta^9$ -THC.....	400	-3.3	235±78 <sup>d</sup> (6)	3,194±413 <sup>d</sup> (6)	38.8±1.2 <sup>d</sup>	27.2
Cyclophosphamide.....	20	-4.0	0 <sup>d</sup>	2,940±194 <sup>d</sup> (8)	40.6±1.8 <sup>d</sup>	33.0
Pyran copolymer.....	50	+0.3	122±38 <sup>d</sup> (8)	1,876±174 <sup>d</sup> (8)	42.5±3.3 <sup>d</sup>	39.3

<sup>a</sup> Groups of male BDF<sub>1</sub> mice were inoculated im with 10<sup>6</sup> Lewis lung carcinoma cells and treated orally daily with  $\Delta^9$ -THC until death. Cyclophosphamide and pyran copolymer were administered ip for 10 consecutive days beginning 24 hours after tumor inoculation.

<sup>b</sup> Whole body weight changes after 10 days of treatment.

<sup>c</sup> Post tumor implants; tumor weights were derived from measurement of major and minor tumor axes. Values are means±s.e.; number of mice are indicated in parentheses.

<sup>d</sup>  $P < 0.05$  as compared to controls.

