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STUDY OF THE CYTOTOXIC ACTIVITY OF "MUNGOLTIN"

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Abstract

In the study of the cytotoxic activity of " Mungoltin" , no changes were noted in the macroscopic examination of the internal organs of rats. Animals neat , hairy It is shiny , without any spots of shedding. The mucous membrane is light pink, shiny, and smooth. The mammary glands of the female are not hardened. The male genitalia are correctly expressed. The tail is brown. The alveolar and bronchial apparatus of the lungs are normal. Blood circulation is normal. Blood circulation in the pulmonary vessels is normal.

Keywords

cytotoxic, dose , red brain

The urgency of the problem. Alveoli weather with saturated . No edema or inflammation was noted in the lung tissue. The heart size was normal. There was a small amount of liquid blood in the heart cavities. The heart muscles were strong and brown. There were no changes in the stomach and small intestine. The stomach was filled with a small amount of nutritious food. The mucous membrane was shiny, thick, light pink. The mucous membrane of the small intestine was shiny, smooth, pink. The size and shape of the liver did not differ from that of the control. The surface of the liver was smooth. The cortex was thin and transparent. The layered structure of the liver was preserved. The kidneys were of normal size and shape, brown, with a dense, clear cortex and substance.

Samples were taken from red bone marrow cells of rats.

The cells from the red brain bone of rats are divided into 5 groups:

– 1 group – The effect of the nutritional supplement "Mungoltin" (50 mg/10•K) on cells in ^{6} doses within 60 minutes;

– Group II – the effect of the nutritional supplement “Mungoltin” on cells at a dose of 25 mg/10•10 ^{6} within 60 minutes;

– Group 3 – the effect of the nutritional supplement “Mungoltin” on cells at a dose of 10 mg/10•10 ^{6} within 60 minutes;

– Group IV – the effect of the nutritional supplement “Mungoltin” on cells at a

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dose of 5 mg/10•10 ^{6} within 60 minutes;

Group V - the cell is inactive (control).

" Mungoltin " on the viability of rat red marrow are presented in Table 5.11.

Table 1.

Cytotoxic activity of "Mungoltin" against rat red marrow under in vitro conditions

No.	Group	Rat lichen planus cells				
		The number of cells d is 10 7ml	dead		alive	
			abs	%	abs	%
1	Cell " Mungoltin " 50)•10 ^{6} dose	1.6	5.1 x 10 ^{5}	31.0	1 , 1x1 0 ^{6}	69.0
2	Cell " Mungoltin " , 25)•10 ^{6} dose	5.0	1 , 4x1 0 ^{6}	28.0	3.6x1 0 ^{6}	72.0
3	Cellular " Mungoltin " /10•10 ^{6} dose	9.4	6.0x1 0 ^{6}	63.9	3.4x1 0 ^{6}	36.1
4	Cell " Mungoltin " 5)•10 ^{6} dose	0.98	2.6x1 0 ^{5}	26.0	7.2x1 0 ^{5}	74.0
5	Control	1.1	2.6x10 ^{5}	23.6	8.4x1 0 ^{5}	76.4

Research shows that " Mungoltin " Doses of 50 mg/10•10 ^{6}, 25 mg/10•10 ^{6}, 10 mg/10•10 ^{6} and 5 mg/10•10 ^{6} did not significantly affect the viability of red bone marrow cells in vitro . When used in doses exceeding 50 mg/10•10 ^{6}, semi-finished ice cream pastes caused 31.0% death of lymphoid cells, while in the control group the same indicator was 23.6%. The difference in the number of dead cells when using the food supplement " Mungoltin " and the control was within the statistical error. Thus, the pathomorphological study confirmed that the dry powder prepared from " Mungoltin " mung bean sprouts is harmless.

REFERENCES.

6. Bakhodirovich, K. J. (2023). ORGANIZING RATIONAL FOOD FOR CHILDREN ENGAGED IN CPORT TYPE. Galaxy International Journal of Interdisciplinary Research, 11(11), 811-813.

7. Хайитов, Ж. Б., Бурибоев, Э. М., & Ниязова, О. А. (2023). ИССЛЕДОВАНИЕ И ОЦЕНКА ФАКТИЧЕСКОГО ПИТАНИЯ ДЕТЕЙ И

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ПОДРОСТКОВ СПОРТСМЕНОВ. Academic research in educational sciences, 4(TMA Conference), 449-454.

8. Mamatkulov, B., & Abdurahimov, B. A. (2020). A systematic approach to the management of health and risk factors of mining workers. New Day in Medicine, 4(32), 162-165.

9. Mamatkulov, B., Avezova, G. S., Abdurahimov, B. A., & Adilova, Z. U. (2019). Diseases of workers in the mining industry, the impact of production factors on their health. New Day in Medicine, 4(28), 191-195.

10. Askarov, OO, Abdurakhimov, BA, & Janani, V. (2023). RESULTS AND SURVEYS ABOUT AWARENESS OF THE MITRAL VALVE PROLAPSE.

11. Mamatkulov, ZSSBM, & Abdurakhimov, BA (2022). Features of Morbidity of Workers in the Copper Industry.