

KNUNYANTS, I.L.; GOLUBEVA, N.E.; KIL'DISHEVA, O.V. (Moskva)

Principles underlying the production of specific carcinolytic  
preparations. Usp. soov. biol. no.2:167-173 S-0 '60.  
(MIRA 13:11)

(CYTOTOXIC DRUGS)

ACCESSION NR: APh019844

S/0181/64/006/003/0818/0826

AUTHORS: Genkin, G. M.; Golubeva, N. G.; Tsukernik, V. K.

TITLE: The spin phonon width of lines of antiferromagnetic resonance

SOURCE: Fizika tverdogo tela, v. 6, no. 3, 1964, 818-826

TOPIC TAGS: spin phonon interaction, magnetic resonance, magnetization precession, exchange interaction, antiferromagnetism

ABSTRACT: The authors have examined the relaxation of the uniform precession of magnetization in a uniaxial antiferromagnetic as a consequence of interaction between spin waves and phonons (both acoustical and optical). They show that the relaxation processes of creating (or absorbing) an acoustical phonon by a spin wave, by virtue of the law of conservation of energy and momentum, may take place only at frequencies of

$$\omega_0 > \omega_0^{gr} = \frac{\sqrt{3}h_A v}{a}$$

where  $\omega_0$  is the frequency of antiferromagnetic resonance,  $h_A$  is the field of

Card 1/2

ACCESSION NR: AP4019844

anisotropy,  $v$  the velocity of sound, and  $a$  the lattice constant. The interaction is an exchange process. The width of the line has been computed for any temperature. At rather high frequencies of antiferromagnetic resonance,  $\omega_0 > \omega_0^{gr}$ , where normally  $\omega_0^{gr} \sim 2 \cdot 10^{12} \text{ sec}^{-1} \text{ deg}$ , the spin-phonon line width at low temperatures proves to be much greater than spin-spin line width. At frequencies of  $\omega_0 < \omega_0^{gr}$ , the spin-phonon width is small compared to spin-spin width, except for regions of very low temperatures ( $T < 10^{-3} \text{ K}$ ). Orig. art. has: 39 formulas.

ASSOCIATION: Radiofizicheskiy institut, Gorkiy (Radiophysical Institute)

SUBMITTED: 21Sep63

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 003

OTHER: 008

Card 2/2

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tween the homogeneous precession and the spin waves. The ...  
... crystal consisting of two non-equivalent

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ASSOCIATION: Nauchno-issledovatel'skiy radiofizicheskiy institut

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the exchange resonance is found to be larger than in the case of an anti-

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ACCESSION NO. A95010700

3 1 7

GOLUBEVA, N.I.; GURKOVSKIY, Ye.V.

High-grade abrasive wheels. Leg.prom. 17 no.4:45-46 Ap '57.  
(MIRA 10:4)

(Grinding wheels)

GOLOBEVA, N. K., and SAMSONOV, G. V.

"Some Principles and the Mechanism of the Oxidation of Solid Refractory Titanium Compounds." Zhur Fiz. Khim. 1956, 30, No. 6, 1258-1266.

TiB<sub>2</sub>, TiC, TiN were prepared in a state of high purity from TiO<sub>2</sub> and then compressed and fired. The oxidation-resistance was investigated by suspending the sample from the balance arm by a long thread leading into a muffle. The investigations were carried out at 300° - 1000° C. and for 5-180 min. at each temp. Chem., X-ray, electron-microscope, and metallographic analysis shows that there are two stages of oxidation, and the formation of an oxide film retards the penetration of O. A suggested mechanism of oxidation is the preliminary formation of TiN, TiC, TiB<sub>2</sub>-TiO on the surface of the specimen up to the critical value, and then subsequent formation of Ti<sub>2</sub>O<sub>3</sub> or TiO<sub>2</sub> by the diffusion of O. Diffusion of O is connected with a high energy of activation, viz. 42,900-74,640 cal./mole.

GOLUBEVA, N.K.

Determining the toxigenicity of diphtherial bacteria on dense culture media in mixed and pure cultures. Med. zhur. Uzb. no.9:54-56 S '61.  
(MIRA 15:2)

1. Iz sanitarno-epidemiologicheskoy stantsii Tashkentskoy zheleznoy dorogi.

(CORYNEBACTERIUM DIPHTHERIAE)

SKORCHELLETTI, V.V.; GOLUBEVA, N.K.

Effect of irregular aeration on the rate of iron corrosion.  
Zhur.prikl.khim. 35 no.7:1570-1575 J1 '62. (MIRA 15:8)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina.  
(Electrodes, Iron) (Oxygen)  
(Corrosion and anticorrosives)

L 05677-67 EWP(m)/EWT(1)/EWT(m)/T WW/JW/JWD/WE

ACC NR: AR4023238

SOURCE CODE: UR/0044/66/000/003/B070/B070

AUTHOR: Galubeva, N. K.; Kuropatenko, V. F.

72  
B

REF SOURCE: Dokl. 3-y Sibirsk. konferentsii po matem. i mekhan., 1964. Tomsk, Tomskiy un-t, 1964, 99

TITLE: On a difference method for the calculation of a one-dimensional detonation wave

SOURCE: Ref. zh. Matematika, Abs. 3B256

TOPIC TAGS: detonation wave, difference equation, mathematic model

TRANSLATION: A method is proposed for making continuous calculations of a detonation wave. This method is based on the representation of the state equation in the front zone of the wave in the form  $p = gp^{\gamma}$ , where the function  $g$  is calculated in a determined way and serves as a mathematical model for the exact state equation in the zone of phase transfer. The proposed method is a variant of the method of spreading the discontinuity. N. Kuznetsov.

2  
11

SUB CODE: 12/      SUBM DATE: none

UDC: 517.9:533.7

ms  
Card 1/1

GOLUBETSKII, M. M.

"The Effect of an Aloe Extract on the Functional Condition of the Reticuloendothelial System and the Resistance of Animals to an Experimental Infection." Cand Vet Sci, Novochoerkassk Zooveterinary Inst Imeni First Cavalry Army, Min Higher Education USSR, Novochoerkassk, 1954. (KL, No 9, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)



MEDNIKOV, F.A.; USHKOVA, Ye.V.; GOLUBEVA, N.N.

Using screw presses and gasoline for the extraction of resinous  
substances from fresh and old tar-impregnated wood. Trudy ITA  
no.87:39-47 '59. (MIRA 13:4)  
(Gums and resins)

ГОЛУБЕВА, Н.П.

TONGUE, V.S.; ~~ГОЛУБЕВА, Н.П.~~; DISKINA, L.S.; SPITKOVSKIY, D.M.;  
FILIPPOVA, G.V.

Effect of small doses of ionizing radiation on deoxyribonucleo-  
proteins [with summary in English]. Biofizika 2 no.4:469-475 '57.  
(MLRA 10:9)

1. Institut eksperimental'noy biologii Akademiy meditsinskikh  
nauk, SSSR, Moskva  
(NUCLEOPROTEINS) (X RAYS--PHYSIOLOGICAL EFFECT)

RECHISTER, Volodar Dmitriyevich; BURIK, Valentin Vasil'yevich; IVANOV,  
A.F., inzh., retsenent; KOKICHEV, V.N., nauchnyy red.; GOLUBEVA,  
N.P., red.; SHISHKOVA, L.M., tekhn. red.

[Maintenance and repair of auxiliary turbomachinery mechanisms]  
Remont vspomogatel'nykh turbomekhanizmov. Leningrad, Gos. sciuznoe  
izd-vo sudostroit. promyshlennosti, 1961. 215 p. (MIRA 14:11)  
(Turbomachines--Maintenance and repair)

TROSHANOV, Nikolay Aleksandrovich; VORONTSOV, A.Ye., inzh., retsenzent;  
KOGAN, N.L., nauchnyy red.; GOLUBEVA, N.P., red.; ERASTOVA,  
N.V., tekhn. red.

[Radio equipment using traveling-wave tubes] Radioapparatura  
na lampakh begushchei volny. Leningrad, Gos.soiuznoe izd-vo  
sudostroit. promyshl., 1961. 218 p. (MIRA 15:2)  
(Radio--Equipment and supplies)  
(Traveling-wave tubes)

SAYDOV, Pavel Ivanovich, doktor tekhn.nauk, prof.; SLIV, Elya Izrailevich;  
CHERTKOV, Rafail Isaakovich; GOLUBEVA, N.P., red.;  
KOROVENKO, Yu.N., tekhn.red.

[Applied theory of gyroscopes] Voprosy prikladnoi teorii gi-  
roskopov. Pod red. P.I.Saidova. Leningrad, Gos. soiuznoe izd-  
vo sudostroit. promyshl., 1961. 426 p. (MIRA 15:3)  
(Gyroscope)

38532

S/051/62/012/006/020/020  
EO39/E420

AUTHORS: Georgobiani, A.N., Golubeva, N.P.

TITLE: The excitation of electroluminescence in alkali-halide compounds

PERIODICAL: Optika i spektroskopiya, v.12, no.6, 1962, 802-803

TEXT: The influence of the type of bond structure on the excitation of electroluminescence discussed in a previous paper is reviewed. Calculations are made on the excitation of electroluminescence in alkali-halides and compared with experimental results obtained for thin ( $\sim 1 \mu$ ) films of CsI.Tl, prepared by sublimation in a vacuum. The sublimated mixture contained 94% CsI and 6% TlI. A layer of aluminium formed a secondary electrode and a film of barium titanate was used as a protective coating. Excitation was accomplished by the application of about 120 V at 20 kc/s and the electroluminescent spectrum compared with the luminescent spectrum excited by radiation from a  $\gamma\phi\phi$  (UFO) lamp using a  $\gamma\phi\phi$ -2 (UFS-2) filter. The two spectra are very similar. These CsI.Tl films are electroluminescent in fields of about  $2 \times 10^6$  V/cm without breakdown. In thicker films  
Card 1/2

ALESHIN, Nikolay Ivanovich; DAVIDOVICH, Feliks Stanislavovich;  
LACHKOV, G.M., inzh., retsenzent; CHERNIKOV, L.V.,  
naychn. red.; GOLUBEVA, N.P., red.; ERASTOVA, N.V.,  
tekhn. red.

[Loading devices for testing naval generators] Nagruzochnye  
ustroistva dlia ispytaniia sudovykh generatorov. Lenin-  
grad, Sudpromgiz, 1963. 82 p. (MIRA 16:9)  
(Electric generators--Testing)  
(Ships--Electric equipment)

LEVITIN, Isidor Borisovich; LEONT'YEV, Aleksandr Sergeyevich;  
MESHKOV, V.V., doktor tekhn. nauk, retsenzent; BARSHAY,  
M.M., inzh., retsenzent; DUBOVIK, V.A., nauchnyy red.;  
GOLUBEVA, N.P., red.; FRUMKIN, P.S., tekhn. red.

[Lighting engineering on ships] Sudovaia svetotekhnika.  
Leningrad, Sudpromgiz, 1963. 300 p. (MIRA 16:5)  
(Electric lighting of ships)



GEORGOBIANI, A.N.; GOLUEVA, N.P.; LEBEDEV, P.N.

Excitation of electroluminescence in alkali halide compounds.  
Chekhosl fiz zhurnal 13 no.2:91-93 '63.

1. Physical Institute, Academy of Sciences of the U.S.S.R.,  
Moscow, U.S.S.R.

ISTOMIN, Pavel Aleksandrovich. Prinimal uchastiye ALFEROVA, N.V.,  
kand. tekhn. nauk; NEBESNOV, V.I., doktor tekhn. nauk,  
prof., retsenzent; NAYDENKO, O.K., kand. tekhn. nauk,  
dots., retsenzent; KRASOVSKIY, O.G., nauchn. red.;  
GOLUBEVA, N.P., red.; SHAURAK, Ye.N., red.

[Dynamics of marine internal combustion engines] Dinamika  
sudovykh dvigatelei vnutrennego sgoraniia. Leningrad, Su-  
dostroenie, 1964. 287 p. (MIRA 18:2)

VREDEN-KOBETSKAYA, T.O.; GEORGOBIANI, A.N.; GOLUBEVA, N.P.;  
GRIGOR'YEV, N.N.; ZHEVANDROV, N.D.; MORGENSHTERN, Z.L.;  
PETUKHOVA, M.S.; RABINOVICH, N.Ya.; FOK, M.V.;  
KHAN-MAGOMETOVA, Sh.D.; ANTONOV-ROMANOVSKIY, V.V., doktor  
fiz.-mat. nauk, otv. red.

[Luminescence; a bibliographic index for 1947-1961] Liu-  
minestsentsiia; bibliograficheskii ukazatel', 1947-1961.  
Moskva, Nauka. Vol.2. 1964. 378 p. (MIRA 18:4)

1. Akademiya nauk SSSR. Sektor seti spetsial'nykh bibliotek.

MAMULIN, Svyatoslav Vasil'yevich; KOMAROV, N. I.; Mukheylovich;  
ROKHLIN, A.G., releznikov; BERNOV, B.M., releznikov;  
SHTYKIN, R.Z., nauchn. red.; COLLECTIVE, red.

[Repair of 5D50 marine diesel generators] Remont sudovyykh  
dizel'-generatorov 5D50. Leningrad, S.S.S.R.: 1965.  
159 p. (MIRA 18:11)

KTYASHKO, A.A.; GCLUBEVA, N.P.; DISKINA, B.S.

Study of virus specific protein in destructed cells, infected  
with polioviral RNA. Vop. virus. 10 no.5:532-538 S-0 '65.  
(MIRA 18:11)

1. Moskovskiy nauchno-issledovatel'skiy institut virusnykh  
preparatov.

ZIGLING, L.V.; Prinimali uchastiye: BERMAN, M.A., vrach; GROSSMAN, I.I., vrach;  
GOLUBEVA, N.S., vrach; SEMENOVA, A.I.

Clinical aspects and diagnosis of epidemic hepatitis in adults  
in Leningrad. Trudy LFMI 30:40-53 '63.

(MIRA 18:3)

1. Bol'nitsa imeni S.P.Botkina v Leningrade (glavnyy vrach M.M.  
Figurina, nauchnyy rukovoditel' prof. Ye.S.Gurevich).



GOLUBEVA, N.V.  
GOLUBEVA, N.V., kand.ped.nauk.

N.K. Krupskaja in the fight for the technical school. Politekh.  
obuch. no.2:3-11 F '58. (MIRA 11:1)  
(Technical education)  
(Krupskaja, Nadezhda Konstantinovna, 1869-1939)



GOLUEVA, N.V.; ROZENBERG, R.I.

Studying certain properties of 4 specimens of kaolin from the  
Chinese People's Republic. Trudy GIKI no.1:60-67 '60.

(MIRA 16:1)

(China—Kaolin)

GOLUBEVA, N.V., inzh.; BEZPALOV, V.D., inzh.

New standard plans for large gravel-grading plants. Stroi. mat.  
8 no.8:15-18 Ag '62. (MIRA 15:9)  
(Sand and gravel plants)

SAPUN, G.P., inzh.; GOLUBEVA, N.V.

Possibilities of increasing the operating efficiency of peat machines. Torf. prom. 39 no.8:3-4 '62. (MIRA 16:1)

1. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy torfyanoy promyshlennosti Vserossiyskogo soveta narodnogo khozyaystva.

(Peat industry)

**"APPROVED FOR RELEASE: 06/13/2000**

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CIA-RDP86-00513R000515910019-0"

GOLUBEVA, N.Ye.

20-5-33/60

## AUTHOR

TERENT'YEV, A.P., corresponding member of the Academy, VOLODINA, M.A., PODLESOVA, N.L., and GOLUBEVA, N.Ye.

## TITLE

The Synthesis of Pyrroles, Pyrrolines and Pyrrolidines from  $\gamma$ -ketoalcohols.

## PERIODICAL

(Sintez pirrolov, pirrolinov i pirrolidinov iz  $\gamma$ -ketoalkogoley.- Russian)  
Doklady Akademii Nauk SSSR 1957, Vol 114 Nr 5, pp 1036-1039 (U.S.S.R.)

## ABSTRACT

In a previous paper the authors showed that the hydroamination reaction of  $\gamma$ -ketoalcohols by formamide or by its N-substituents leads to the formation of a nitrogenous heterocycle. Pyrrolidine bases were obtained as reaction products. With regard to the formation of a 5-membered nitrogenous heterocycle from  $\gamma$ -ketoalcohols (I, II) one can also imagine that water is separated from the alcohol- and ammonia- (or amine-) molecule over a dehydrating catalyst. The product of such a conversion must be a corresponding  $\Delta^2$ -pyrroline (IV). It may well be possible that one of the reaction products represents a homologue of 4,5-dihydro furan (III). The authors made it their object to study the relationship between the

CARD 1/4



20-5-33/60

The Synthesis of Pyrroles, Pyrrholines and Pyrrholidines  
from  $\gamma$ -ketoalcohols.

$\gamma$ -ketoalcohols and the dehydrating catalysts, in order to find a way of synthesis of the comparatively little investigated and not easily accessible  $\Delta^2$ -pyrrholines, as well as of their dehydrogenation products of pyrroles. They have hitherto not been described. As objects of the investigation served  $\gamma$ -acetopropyl-(I) and secondary  $\gamma$ -acetobutyl-(II) alcohol. It was revealed that the transformation of the former in an ammonium stream at 450°C on aluminumoxide and Pd on asbestos (in an analogous way Ni/Al<sub>2</sub>O<sub>3</sub>) resulted in the formation of  $\alpha$ -methyl pyrrholidine (V),  $\alpha$ -methylpyrrhole (VI) with a 10-20% yield and a small amount of  $\alpha$ -Methyl- $\Delta^2$ -pyrrholidine (IV). It seems that the last one is the primary reaction product; under contact conditions it undergoes disproportionation according to the type of irreversible catalysis by Zelinsky yielding V and VI. The formation of  $\alpha$ -methylpyrrhole can be brought about by dehydrogenation of the mentioned substance under the influence of Pd, as well as under that of aluminumoxide itself. An examination of the reaction over aluminumoxide without Ni and Pd revealed that  $\alpha$ -methyl  $\Delta^2$ -pyrrholine represents the chief product (45 %).

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The Synthesis of Pyrroles, Pyrrolines and Pyrrolidines  
from  $\gamma$ -ketoalcohols.

$\alpha$ -methylpyrrole develops under these conditions in very small amounts. Thus aluminum oxide exerts practically no influence upon the dehydrogenation of IV in this case. The most favourable conditions for the formation of  $\alpha$ -methyl- $\Delta^2$  pyrroling from  $\gamma$ -acetophenylalcohol are thus given at 310-320°C, using the  $\gamma$ -oxide of aluminum as a catalyst. After satisfactory conditions for the synthesis of the above mentioned pyrrolines had been found, the authors decided to use the  $\gamma$ -ketoalcohols (I,II) in a synthesis of the interesting and little investigated compounds of  $\Delta^2$ -pyrrolines bases. Some homologues of these substances are known as photosensibilizers. The authors succeeded in demonstrating that a formation of  $\Delta^2$ -pyrrolines bases with a yield of 25-55 % takes place, when ketoalcohols (I and II) are passed through in an ammonia or amine stream; or in a mixture with an aromatic amine, over aluminumoxide at 310-320° C. At lower temperatures (280-290 C) they contain a considerable admixture of corresponding 4,5-

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20-5-33/60

The Synthesis of Pyrroles, Pyrrhelines and Pyrrholidines  
from  $\gamma$ -ketoalcohols.

dihydro furans (III). The study of the reaction mechanism is no direct object of this paper and has to be further investigated. A detailed elaboration of reaction conditions (other dehydrating catalysts, activation of aluminum-oxide) will make it possible to increase the yield of pyrrholine bases to some extent. The thus obtained

$\Delta^2$ -pyrrhelines readily form haloidalkylates. The position of double bonds cannot yet be considered as firmly established, but these compounds most probably represent  $\Delta^2$ pyrrhelines.

(2 Tables, 7 Slavic references)

ASSOCIATION: "M.V. LOMONOSOV" Moscow State University.  
(Moskovskiy gosudarstvennyy universitet im. M.V. Lomonofova)

PRESENTED BY: -

SUBMITTED: 12.2.57

AVAILABLE: Library of Congress.

CARD 4/4

20-119-1-22/52

AUTHORS: Golubeva, N. Ye., Kil'disheva, O. V., Knunyants, I. L.,  
Member of Academy of Sciences

TITLE: Cancerolytic Peptides ( Kantseroliticheskiye peptidy)

PERIODICAL: Doklady Akademii Nauk SSSR, 1958, Vol. 119, Nr 1,  
pp. 83 - 86 (USSR)

ABSTRACT: Cancerolytic, sarcolysin-containing dipeptides (table 1) were produced by condensation of the N-formyl-derivative of p-di-( $\beta$ -ethyl chloride)-amino-DL-phenylalanin (sarcolysin) with ethers of various amino acids. By the interaction of the sarcolysin-ethyl-ether with p-di( $\beta$ -ethyl chloride)-amino-phenyl-acetic-acid the ethyl ether of p-di-( $\beta$ -ethyl chloride)-aminophenacetyl-sarcolysin was obtained. Further p-di-( $\beta$ -ethyl chloride)-aminophenacetyl- and  $\gamma$ -[p-di-( $\beta$ -ethyl chloride)-amino]-phenylbutyryl-derivates of various amino acids were produced whose general formula is given (table 2). By the interaction of p-di-( $\beta$ -ethyl chloride)-aminophenyl-acetic-acid and  $\gamma$ /p-di-( $\beta$ -ethyl chloride)-amino/phenylbutyric-

Card 1/3

20-119-1-22/52

Cancerolytic Peptides

acid with anilin in the presence of 1,3-dicyclo-hexyl-carbo-diimide the corresponding anilides were obtained; it is true that in the case of the interaction of these acids with 2-methyl-5-ethoxymethylene-6-amino-pyrimidin or with p-di-( $\beta$ -ethyl chloride)-aminophenyl-acetic-acid with cyclohexal-amine only N-acyl-derivatives of 1,3-dicyclohexyl-urea were isolated. Preliminary samples on the cancerolytic action of the sarcolysin-containing peptides were performed in the Institute for Experimental Pathology and Cancer Therapy of the Academy of Medical Sciences of the USSR (Institut eksperimental'noy patologii i terapii raka Akademii meditsinskikh nauk SSSR). It became evident that the sarcolysin-peptides possess marked properties close to those of sarcolysin which act against tumors and which at the same time are not toxic and have a high selectivity of the action upon some tumors. Finally the general method of production of sarcolysin-containing peptides and that of the individual peptides is given in a kind of experimental part.

Card 2/3

20-119-1-22/52

Cancerolytic Peptides

There are 3 tables, and 1 reference, 1 of which is Soviet.

ASSOCIATION: Institut elementoorganicheskikh soedineniy Akademii nauk  
SSSR (Institute for Elementary Organic Compounds AS USSR)

SUBMITTED: December 10, 1957.

Card 3/3

KNUNYANTS, I.L., Akademik; GOLUBEVA, N.Ye.; KIL'DISHEVA, O.V.

Cancerolytic peptides of directional activity. Dokl.AN SSSR 132  
no.4:836-838 Je '60. (MIRA 13:5)  
(Peptides)

KARPAVICHUS, K.I.; GOLUBEVA, N.Ye.; KIL'DISHEVA, O.V.; KNUNYANTS, I.L.

Cancerolytic peptides having specific action. Report No.2:  
p-Di-(chloroethyl)amino-D,L-phenylalanyl-D,L-valine. Izv.  
AN SSSR. Otd.khim.nauk no.7:1297-1299 J1 '61. (MIRA 14:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.  
(Valine)



KARPAVICHUS, K.I.; GOLUBEVA, N.Ye.; KIL'DISHEVA, O.V.; KNUNYANTS, I.L.

Cancerolytic peptides having specific action. Report No.3:  
N-[p-di(2-chloroethyl)-aminophenacetyl] and N-(p-di(2-chloroethyl)-aminophenylbutyl) amino acids. Izv. AN SSSR. Otd.khim.nauk  
no.7:1299-1303 J1 '61. (MIRA 14:7)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.  
(Amino acids)

KNUNYANTS, I.L.; GOLUBEVA, N.Ye.; KARPAVICHUS, K.I.; KIL'DISHEVA, O.V.

Cancerolytic peptides having specific action. Zhur.VKHO 7 no.2:  
238 '62. (MIRA 15:4)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.  
(Peptides) (Cytotoxic drugs)

GOLUBEVA, N. YE.

GOFMAN, A.; FREY, A.I.; RUTSHMANN, I.; OTT, Kh.; SHEMYAKIN, M.M.; KISHFALUDI, L.; KOCHETKOV, N.K.; DEREVITSKAYA, V.A.; PROKOF'YEV, M.A.; SHABAROVA, Z.A.; FILIPPOVA, L.A.; SHANKMAN, S.; KHAYGA, S.; LIV, F.; ROBERTS, M.Ye.; GAVRILOV, N.I.; AKIMOVA, L.N.; KHLUDOVA, M.S.; MAKSIMOV, V.I.; IZELIN, B.M.; SHEPPARD, R.K.; SHKODINSKAYA, Ye.N.; VASINA, O.S.; BERLIN, A.Ya.; SOF'INA, Z.P.; LARIONOV, L.F.; KNUNYANTS, I.L.; GOLUBEVA, N.Ye.; KARPAVICHUS, K.I.; KIL'DISHEVA, O.V.; MEDZIGRADSKIY, K.; KAF'TAR, M.; LEV, M.; KORENSKI, F.; BUASSONA, R.A.; GUTTMAN, St.; KHOYGENIN, R.L.; ZHAKENO, P.A.; BAZHUS, S.; LENARD, K.; DUAL'SKI, S.; SHREDER, Ye.; SHMIKHEN, R.; KHOKHLOV, A.S.

Results of the Fourth European Symposium on the chemistry of peptides. Abstracts of reports. Zhur. VKHO 7 no.4:468-476 '62. (MIRA 15:8)

1. Aktsionernoye obshchestvo "Sandos", Bazel', Shveytsariya (for Gofman, Frey, Ott, Rutshmann). 2. Farmatsevticheskaya fabrika "G.Rikhter", Budapesht, Vengriya (for Kishfaludi, Korenski, Dualski). 3. Institut khimii prirodnykh soyedineniy AN SSSR, Moskva (for Kochetkov, Derevitskaya, Shemyakin, Khokhlov). 4. Laboratoriya khimii belka Moskovskogo gosudarstvennogo universiteta (for Prokof'yev, Shabarova, Filippova, Gavrilov, Akimova, Khludova). 5. Fond meditsinskikh issledovaniy, Passadena, Kaliforniya, Sev.Soyed.Shtaty Ameriki (for Shankman, Khayga, Liv, Roberts). 6. Laboratoriya khimii belka Instituta organicheskoy  
(Continued on next card)

Gofman, A.,—(Continued) Card 2.

khimii AN SSSR, Moskva (for Maksimov). 7. Aktsionernoye obshchestvo "TSiba", Bazel', Shveytsariya (for Izelin). 8. Liverpul'skiy universitet, Angliya (for Sheppard). 9. Institut eksperimental'noy i klinicheskoy onkolofii AMN SSSR, Moskva (for Shkodinskaya, Vasina, Berlin, Sof'ina, Larionov). 10. Institut elementoorganicheskikh soyedineniy AN SSSR, Moskva (for Knunyants, Golubeva, Karpavichus, Kil'disheva). 11. Institut organicheskoy khimii Budapeshtskogo universiteta, Vengriya (for Medzigradskiy, Kaftar, Lev). 12. Farmatsevticheskiy otdel Aktsionernogo obshchestva "Sandos", Bazel', Shveytsariya (for Buassona, Guttman, Khoygenin, Zhakeno, Rutshmann). 13. Issledovatel'skiy institut farmatsevticheskoy promyshlennosti, Budapesht, Vengriya (for Bashus, Lenard). 14. Aktsionernoye obshchestvo "Shering", Zapadnyy Berlin (for Shreder, Shmikhen).  
(Peptides--Congresses)

KNUNYANTS, I.L.; GOLUBEVA, N.E.; KARPAVICHYUS, K.I.; KIL'DISHEVA, O.V.

Cancerolytic peptides of directed action. Coll Cz Chem 27 no.9:  
2253-2254 S '62.

1. Institute of Organoelementary compounds, Academy of Sciences of  
the U.S.S.R., Moscow (for Golubeva and Kil'disheva).

KNUNYANTS, I.L., akademik; KIL'DISHEVA, O.V.; GOLUBEVA, N.Ye.;  
ZURABYAN, S.

Diethyleneimidothiophosphoryl and diethyleneimidothiophosphoryl  
derivatives of amino acids and peptides. Dokl. AN SSSR  
142 no.2:370-373 Ja '62. (MIRA 15:2)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.  
(Amino acids)  
(Peptides)  
(Phosphorus organic compounds)

GOLUBEVA, N. YE.

Dissertation defended for the degree of Candidate of Chemical Sciences  
at the Institute of Organic Chemistry imeni N. D. Zelinskiy in 1962:

"Carcinolytic Peptides of Directed Action."

Vest. Akad. Nauk SSSR. No. 4, Moscow, 1963, pages 119-145

KNUNYANTS, I.I.; GOLUBEVA, N.Ye.; DEL'TSOVA, D.F.

Peptides containing N-dichloroacetyl-DL-serine. Izv. AN SSSR, Ser.  
khim. no.10:1872 '65. (MIRA 18:10)

1. Institut elementoorganicheskikh soedineniy AN SSSR.



LUCHKO, I., inzh.; GOLUBEVA, O., inzh.

Determining logging errors in the case of two receiving units.  
Mor. flot 25 no.5:25-26 My '65. (MIRA 18:5)

L 33146-66 EWT(m)/EWA(d)/EWP(t)/ETI IJP(e) JD  
ACC NR: AR6016238 SOURCE CODE: UR/0058/65/000/011/E106/E106

AUTHOR: Adamesku, R. A.; Golubeva, O. A.; Los'yev, L. Ye.

TITLE: Coercive force of strongly deformed samples of silicon iron after annealing  
at 800 and 1100C 35  
33  
3+1

SOURCE: Ref. zh. Fizika, Abs. 11E822

REF SOURCE: Tr. Ural'skogo politekh. in-ta; sb. 144, 1965, 86-88

TOPIC TAGS: magnetic coercive force, silicon steel, recrystallization, annealing, metal rolling

ABSTRACT: Samples for the investigation were discs of 30 mm dia, cut from cold-rolled strips of Fe-Si (~3 wt.% Si) subjected to different deformations (80 - 96%). The rolling was carried out reversibly. The samples were annealed at 800 and 1100C for 4 hours. The rate of heating was 150 deg/hr, and the cooling was together with the oven. The coercive force  $H_c$  was determined by a ballistic method for magnetization of angles 0° - 180° in steps of 22.5°, reading from the direction of rolling after 800° annealing and along the transverse to the direction of rolling after 1100C annealing. After annealing at 1100C and 96% deformation, a decrease in the average value of  $H_c$  (0.38 Oe) was observed, compared with the  $H_c$  of samples subjected to annealing at 800C and the same deformation (0.75 Oe). A somewhat larger value of  $H_c$  after annealing at 1100C (0.62 Oe) compared with  $H_c$  of samples subjected to annealing at 800C (0.55 Oe) after 96% deformation, is obviously connected with the fact that

Card 1/2

L 33146-66

ACC NR: AR6016238

at a given degree of deformation the secondary <sup>16</sup>recrystallization is strongly sup-  
pressed as a result of which a relatively shallow, comparatively homogeneous grain  
is formed. V. Olenicheva. [Translation of abstract] 2

SUB CODE: 20

Transformer steel

18

LS

Card 2/2

GOLUBEVA, O. A. Cand. Med. Sci.

Dissertation: "Diagnostic Significance of the Clinical Modifications of the Cervix." First Moscow Order of Lenin Medical Inst. 2 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

ADAMESKU, R.A.; KUDRYAVTSEV, I.P.; GOLUBOVA, O.A.; GEL'D, P.V.

Certain characteristics of the formation of recrystallization textures in cold-rolled silicon iron with a high degree of deformation. Fiz. met. i metalloved. 19 no.3:432-438 Mr '65. (MIRA 18:4)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

GOL'BER, L. M., prof.; ~~COLUBEVA, O. G.~~ (Riga)

Influence of lipocaine on nutritional hypercholesterinemia and experimental atherosclerosis in rabbits. Probl. endok. i gorm. no.6:7-14 '61. (MIRA 14:12)

1. Iz laboratorii patologicheskoy fiziologii i funktsional'noy diagnostiki (zav. - prof. L. M. Gol'ber) Rzhskogo nauchno-issledovatel'skogo instituta gravmatologii i ortopedii (dir. - kandidat meditsinskikh nauk V. K. Kalnberz)

(ARTERIOSCLEROSIS) (CHOLESTEROL) (LIPOCAIC)

FINKEL'SHTEYN, Grigoriy Markovich; GOLUBEVA, O.M. (Moskva), prof.,  
retsensent; VORONKOV, I.M. (Moskva), prof., retsensent;  
DROZHZHIN, Yu.N., red.; TSIRUL'NITSKIY, N.P., tekhn.red.

[Course in theoretical mechanics; a textbook for students of  
pedagogical institutes] Kurs teoreticheskoi mekhaniki; uchebnoe  
posobie dlia studentov pedagogicheskikh institutov. Moskva, Gos.  
uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1959. 442 p.  
(Mechanics) (MIRA 12:5)

L 32203-66 EWT(1)/EWP(e)/EWT(m) WH SOURCE CODE: UR/0386/66/003/012/0488/0491  
52  
50  
B

ACC NR: AP6020796

AUTHOR: Golubeva, O. N.

ORG: Physics Department of the Moscow State University im. M. V. Lomonosov  
(Fizicheskiy fakul'tet Moskovskogo gosudarstvennogo universiteta)

TITLE: Anomalous absorption of ultraviolet radiation in quartz undergoing a phase transition

SOURCE Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 3, no. 12, 1966, 488-491

TOPIC TAGS: quartz, refractive index, second order phase transition, temperature dependence, uv spectrum, uv absorption

ABSTRACT: The purpose of the experiment was to study in greater detail than in the past the sharp temperature dependence of the refractive index of quartz near its phase transition temperature (573C), especially in the very narrow temperature interval (0.1°C) where the phase transition takes place, which has not been investigated heretofore. A quartz disc 0.4 mm thick, cut perpendicular to the optic axis of the crystal was placed in vacuum between a uv source and a spectrograph. The spectrum was photographed through the central section of the disc and the absorption coefficient of the quartz determined by photometry. The phase transition

Card 1/2

L  
Ca



KALISTRATOV, G.A.; SKVORTSOVA, Z.Ya.; GOLUEVA, O.P.

Effect of ammonium base and cellulose hardness on the quality  
of alkalies and the production of alcohol. Bum. prom. 36  
no.10:12-13 0 '61. (MIRA 15:1)

1. Sokol'skiy kombinat.  
(Cellulose) (Alcohol)

GOLUBEVA, O.P., arkhitektor; NAUMOV, S.F., arkhitektor

The Warsaw-Wawer suburban station. Transp. stroi. 12 no.8:  
55-56 Ag '62. (MIRA 15:9)  
(Poland--Railroads--Stations)

GOLUBEVA, O.P., arkhitektor; NAUMOV, S.F., arkhitektor

Standard stations in the German Federal Republic. Transp.  
stroi. 13 no.5:73-74 My '63. (MIRA 16:7)

(Germany, West--Railroads--Stations)

GOLUBEVA, O.P., arkhitektor

Reconstruction of the railroad station in Gorkiy. Transp. stroi.  
13 no.7:26-28 JI '63. (MIRA 16:9)  
(Gorkiy—Railroads—Stations)

GOLUBEVA, O.P., arkhitektor; NAUMOV, S.F., arkhitektor

New railroad station in Liege. Transp.stroi. 13 no.10:74-76  
0 '63. (MIRA 17:8)

GOLJEEVA, O.P., arkhitektor; NAUMOV, S.F., arkhitektor

Reconstruction of railroad stations in the German Federal Republic.  
Transp. stroi. 14 no.2:55-57 F '64. (MIRA 17:4)

GOLUBEVA, O.P., arhitektor

New building for the South Railroad Station in Budapest. Transp.  
stroj. 14 no.5:58-59 My '64. (MIRA 18:11)

GOLUBEVA, O.V., and V.V. GOLUBEV.

Issledovaniia po teorii shchitkov kryl'ev samoleta. Moskva, 1939. 52 p.  
(TSAGI. Trudy, no. 398)

Bibliographical footnotes.

Title tr.: Theoretical investigation of aircraft wing flaps.

QA911.M65 no.398

SØ: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress,  
1955.



GOLUBEVA, O.V.

Opredelenie pod'emnoi sily profil'ia pri sryve potoka s ego poverkhnosti. (Akademiia Nauk SSSR. Doklady. Novaia serii, 1945, v. 46, no.3, p. 103-105)

Title tr.: Determination of lift force on an airfoil when the separation of flow from its surface takes place.

Also published in English in Comptes rendus de l'Academie des Sciences de l'URSS. Nouvelle serie, 1945, v. 46, no. 8, p.99-101 (Q60.A52)

AS262.S2662

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955

Applied Mechanics  
Reviews

Geophysics, ~~Hydrography~~,  
Oceanography

13

183. O. V. Golubev, On the simplification of hydrodynamic equations in investigations of surface currents in the sea. Doklady Akad. Nauk SSSR 61, 433-434 (July 21, 1948).

The investigation leads to the integration of Navier-Stokes equations which is simplified by six assumptions; in particular (because of the thinness of the layer), viscous effects are introduced in the form of volume forces. The simplified equations permit the computation of velocities and pressures when the boundaries are known and viscous forces are assumed. The equations are integrated assuming a zonal circulation of atmosphere over a sphere covered by water. In this case it is possible to obtain the kinematical picture of currents using a transformation indicated by the author; one of the streamlines of the intermediate solutions has to coincide with the contours of the continents.

Georg P. Weidman, USA

1950

GOLUBEVA, O. V.

Apr 49

USSR/Physics  
Flow  
Mathematics - Spherics

"The Movement of Eddies and Eddy Sources on the  
Surface of a Sphere," O. V. Golubeva, 4 pp

"Dok Ak Nauk SSSR" Vol LXV, No 5

Studies two-dimensional flow on a spherical sur-  
face, caused by eddies and eddy sources, through  
the conformal representations of a spherical  
surface on a plane. Submitted by Acad L. S.  
Leybenzon, 17 Feb 49.

39/49T107

GOLUBEVA, O. V.

USSR/Physics - Filtration  
Hydrodynamics

May/June 50

"Equations of Two-Dimensional Motion of an Ideal Fluid Over a Curvilinear Surface and Their Application to the Theory of Filtration," O. V. Golubeva, Moscow

"Prilozhenie Matematiki Mekhaniki" Vol XIV, No 3, pp 287-294

Generalizes equations describing two-dimensional planar motions of an ideal fluid to a motion of a fluid in a film layer that covers a curvilinear

163T78

USSR/Physics : Filtration (Contd)

May/June 50

surface. Equations obtained are applicable to problems of filtration of a fluid in distorted layers, Geophysics, and electrical conductivity of homogeneous warped surfaces. Submitted 13 Feb 50.

163T78

"Two-Dimensional Motions of a Perfect Incompressible Liquid Along Curved Surfaces." Sub 17 Jan 51, Moscow Order of Lenin State U imeni M. V. Lomonosov.

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55.

↑ 1004

OPERING IN/OTS. Newfor-Stakes comittees of meeting of

www.whitehouse.gov

GOLUBEVA, O.V., prof.; FINKEL'SHTAYN, G.M., red.; PONOMAREVA, A.A., tekhn.  
red.

[Programs of pedagogical institutes; theoretical mechanics for physics and mathematics faculties; major: mathematics] Programmy pedagogicheskikh institutov; teoreticheskaya mekhanika dlia fiziko-matematicheskikh fakul'tetov (spetsial'nost' - matematika). [Moskva] Uchpedgiz, 1955. 4 p. (MIRA 11:9)

1. Russia (1917- R.S.F.S.R.) Glavnoye upravleniye vysshikh i srednikh pedagogicheskikh uchebnykh zavedeniy.  
(Mechanics--Study and teaching)

**"APPROVED FOR RELEASE: 06/13/2000**

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**CIA-RDP86-00513R000515910019-0"**



Translation country: Russia of: apply, England

*Golubeva, O. V.*

124-1957-10-11537

Translation from: Referativnyy zhurnal, Mekhanika, 1957, Nr 10, p 50 (USSR)

AUTHOR: Golubeva, O. V.

TITLE: Basic Trends in the Study of Two-dimensional Motions of Ideal Liquids (Osnovnyye napravleniya v izuchenii dvukhmernykh dvizheniy ideal'noy zhidkosti)

PERIODICAL: Uch. zap. Mosk. obl. ped. in-t, 1956, Vol 43, pp 27-34

ABSTRACT: A short report on the work performed by the Author and her students in the investigation of incompressible liquid motions in thin pellicles on curved surfaces. The basic equations of that motion are introduced. Existing and potential applications of the theory (to problems of filtration, in dynamic meteorology and in turbine design) as well as the future trend of its development are presented.

A. A. Il'ina

GOLUBEVA, O.V.

Complex potential and complex speed of flows in curved films of  
variable thickness. Uch. zap. MOPI 75:3-9 '59. (NIRA 13:12)  
(Fluid dynamics) (Films (chemistry))

GOLUBEVA, Ol'ga Vladimirovna ; RUBASHOV, A.N., red.; BRUDNO, K.F., tekhn.  
red.

[Theoretical mechanics] Teoreticheskaya mekhanika. Moskva, Gos.  
izd-vo fiziko-matem. lit-ry, 1961. 703 p. (MIRA 14:11)  
(Mechanics)

S/044/62/000/006/038/127  
B156/B112

AUTHOR: Golubeva, O. V.

TITLE: The complex potential and complex velocities of flows in distorted films of varying thickness

PERIODICAL: Referativnyy zhurnal. Matematika, no. 6, 1962, 83, abstract 6B342 (Uch. zap. Mosk. obl. ped. in-ta, v. 75, 1959, 3-9)

TEXT: It is proved that, after isothermal coordinates have been introduced, the complex potential of a flow in distorted films of varying thickness is a  $p$ -analytic function (RZhMat., 1962, 2B164) with a characteristic  $p$  determined by the thickness of the film. [Abstracter's note: Complete translation.] ✓

Card 1/1

GOLUBEVA, O.P., arkhitektor; NAUMOV, S.F., arkhitektor

Railroad station in Kouvola. Transp. stroi. 13 no.1:53-55 Ja '63  
(MIRA 18:2)

USSR/Geophysics - Soil science

FD-1150

Card 1/1 Pub. 129-14/23

Author : Zuyev, L. A., and Golubeva, P. F.

Title : Absorption of phosphorus by the shoots of various plants

Periodical : Vest. Mosk. un., Ser. fizikomat. 1 yest. nauk, 9, No 7, 111-117, Oct 1954

Abstract : The authors conducted a comparative study of the intensity of absorption of phosphorus from a feeding solution by the shoots of various plants. They did not observe any dependence of the intensity of absorption upon the nitrogen content in the sprouting seeds. Four references (e.g. N. S. Avdonin, "Introduction of granulated superphosphate into rows," Agrobiologiya, No 2, 1949).

Institution : Chair of Agrochemistry

Submitted : January 7, 1954

Goldberg, P.F.

USSR.

142 ... by the ...  
... ..  
...

GOLUBEVA, P. F.

USSR/Physiology of Plants

Card 1/1

Authors : Zuev, L. A., and Golubeva, P. F.

Title : Absorption of phosphorus by germinating seeds and sprouts of spring wheat

Periodical : Dokl. AN SSSR, 96, Ed. 2, 387 - 389, May 1954

Abstract : Experiments show that the absorption of phosphorus begins simultaneously with the swelling (germination) of the seeds. The absorbed phosphorus concentrates mainly in the seed and its content in the seed is 18 times higher than in the endosperm. During further cultivation of the seed the phosphorus content increases gradually in the roots, sprouts and even in the endosperm. This absorption is closely connected with the intensive and constructive interchange of the meristematic tissues. Five USSR references. Tables.

Institution : The M. V. Lomonosov State University, Moscow

Presented by : Academician A. L. Kursanov, March 16, 1954



*Galcheva, P.F.*

The amount of phosphorus by plants from fertilizer applied  
to the soil is determined by the amount of phosphorus  
in the soil and the amount of phosphorus in the fertilizer  
applied to the soil.

LOEVA, P.F.

✓ Utilization of stored phosphorus of seeds in sprouting.  
L. A. Zuev and P. F. Golubev (M. V. Lomonosov State Univ., Moscow). *Doklady Akad. Nauk S.S.S.R.* 104, 829-31(1956).—Studies of stored P in sprouting seeds of flax showed that phytin being the stored form of P is synthesized along with the main stored seed matter. Phytin is not synthesized in the sprout during sprouting and its decoupling occurs simultaneously with utilization of the total stored matter of the seed. G. M. Kosolapoff

ZUYEV, L.A.; GOLUBEVA, P.F.

Effect of the nitrogen nutrition of winter rye sprouts on their  
absorption and metabolism of phosphorus compounds. Dokl. AN SSSR  
119 no.5:993-995 Ap '58. (MIRA 11:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.  
Predstavleno akademikom A.L. Kursanovym.  
(Rye) (Fertilizers and manures)

ZUYEV, L.A.; GOLUBEVA, P.F.

Effect of the conditions of nitrogen and phosphorus nutrition on the development and phosphorus metabolism of spring wheat seedlings. Fiziol.rast. 6 no.2:202-205 Mr-Apr '59.

(MIRA 12:5)

1. Biology-soil department of the Moscow State University.  
(Wheat--Fertilizers and manures)  
(Phosphorus metabolism)

ZUYEV, L.A.; GOLUBEVA, P.F.

Effect of the conditions of potassium nutrition on phosphorus absorption and metabolism in wheat seedlings. Nauch.dokl.vys.shkoly: biol. nauki no.4:180-185 '60. (MIRA 13:11)

1. Rekomendovana kafedroy agrokhimii Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(WHEAT)

(PLANTS--ASSIMILATION)

ZUYEV, L.A.; GOLUBEVA, P.F.

Comparative effect of nitrogen, phosphorus, and potassium deficiencies on the absorption and metabolism of phosphorus in winter wheat in light and in the dark. Fiziol. rast. 9 no.1:41-47 '62.  
(MIRA 15:3)

1. Biology-Soil Department, Moscow State University.  
(Wheat--Fertilizers and manures)  
(Phosphorus metabolism)

GOLUBEVA, R.

Secretary of a party organization. Prom.koop. 14 no.7:30  
J1 '60. (MIRA 13:8)

1. Propagandist gorkoma partii, g.Akmolinsk.  
(Communist Party of the Soviet Union--Party work)

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 182 (USSR) SOV/137-58-11-23100

AUTHORS: Beskov, S. D. , Kochetkova, L. I. , Golubeva, R. M.

TITLE: A Survey of Volatile Inhibitors (Obzor letuchikh ingibitorov)

PERIODICAL: Uch. zap. Mosk. gos. ped. in-ta, 1957, Vol 99, pp 129-145

ABSTRACT: A list of the methods of application and the characteristics of the protective action of 69 organic compounds investigated as possible volatile inhibitors published in the foreign and Soviet literature. Bibliography: 54 references.

V. P.

Card 1/1



ESKOV, S.D.; KOCHETKOVA, L.I.; GOLUBEVA, R.M.

Vapor of ethanolamine and its carbonate salt. Uch. zap. MGPI  
99:147-149 '57. (MIRA 12:3)  
(Ethanol) (Vapor pressure)

ACC NR: AP6030549

SOURCE CODE: UR/0413/66/000/016/0030/0030

INVENTOR: Bliznyuk, N. K.; Kolomiyets, A. F.; Golubeva, R. N.; Varshavskiy, S. L.; Gladshiteyn, B. M.; Zimin, V. M.

ORG: none

TITLE: Preparation of aryl esters of N-( $\beta$ -chloroethyl)taurine. Class 12, No. 184840 [announced by All-Union Scientific Research Institute of Phytopathology (Vsesoyuznyy nauchno-issledovatel'skiy institut fitopatologii)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 16, 1966, 30

TOPIC TAGS: fungicide, ~~aryl chloroethyltaurinate preparation~~, hydroxyethyltaurine, thionyl chloride, phosphorus pentachloride, ester, hydroxide, ethylene

ABSTRACT: To obtain aryl esters of N-( $\beta$ -chloroethyl)taurine with fungicidal properties, esters of  $\beta$ -hydroxyethyltaurine are treated with thionyl chloride or phosphorus pentachloride in an organic solvent (e.g., chloroform) at boiling temperature of the solvent. The excess of the initial reagents and HCl formed are removed from the reaction mixture; the residue is dissolved in an organic solvent, e.g., an ether, then mixed with alcoholic solution of an acid, and evaporated.

SUB CODE: 07/ SUBM DATE: 26Jul65/

[WA-50; CBE No. 11]

Card 1/1

UDC: 547.436'26'122.07

2

L 61410-65 EMT(1)/EWA(j)/EWA(b)-2 RD

ACCESSION NR: AP5019086 UR/0286/65/000/012/0110/0110

AUTHORS: <sup>44,55</sup> Granin, Ye. F.; <sup>44,55</sup> Fadeyev, Yu. N.; <sup>44,55</sup> Tyurina, L. G.; <sup>44,55</sup> Bliznyuk, N. K.; <sup>44,55</sup> Kolomiets, A. F.; <sup>44,55</sup> Golubeva, R. N. 40  
B

TITLE: A method for controlling fungous diseases of plants. Class 45, No. 172154

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 12, 1965, 110

TOPIC TAGS: agriculture, pesticide, <sup>44,55</sup> disease control, plant culture

ABSTRACT: This Author Certificate presents a method for controlling fungous diseases of plants by treating the latter with fungicides. To broaden the assortment of fungicides, esters of taurine and their N-replaced derivatives are utilized as fungicides. These compounds are of the general formula

$$\begin{matrix} R \\ | \\ R' > NCH_2CH_2SO_2Ar \\ | \\ R'' \end{matrix}$$

$$\left[ \begin{matrix} R \\ | \\ R' > N^+CH_2CH_2SO_2Ar \\ | \\ R'' \end{matrix} \right] A^-$$

Card 1/2

L-61410-65

ACCESSION NR: AP5019086

0

where  $R \neq R' \neq R''$  and  $R = R' = R'' = H$ , the replaced or nonreplaced alkyl is aryl,  
and A is an anion of an organic or an inorganic acid,

ASSOCIATION: none

SUBMITTED: 01Jul64

ENCL: 00

SUB CODE: 15, 00

NO REF SOV: 000

OTHER: 000

Card 2/2 dlp