"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710001-7



PIONTKOVSKIY, I.A., prof., VOLODINA, I.A.

Some disturbances in higher nervous activity in rats from mothers irradiated with gamma rays (Co60) during pregnancy. Trudy Inst. vys. nerv. deiat. Ser.patofiziol. 4:183-208 '58 (MIRA 11:12)

1. Zaveduyushchiy laboratoriyey radiobiologii Instituta vysshey nervnoy deyatel'nosti AN SSSR.

(GAMMA RAYS--PHYSIOLODICAL EFFECT)

(NERVOUS SYSTEM)

עטו טען	INA, I. A.
	"Considerable Disturbances of Nerve Activity."
Higher Develo	ted at the Conference 7 influence of Ionizing Radiation upon the ped Parts of the Central Serve System, Inst. of Higher Servous USSR, \$ 6-10 May 1958.

5.2620 68105 5 (2) - 507/78-5-1-7/45 AUTHORS: Volahteyn, L. M., Volodina, TITLE: New Data on the Complex Compounds of Bivalent Platinum With Glycocoll PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol 5, Nr 1, pp 35 - 38 (USSR) The cleavage of mixed tetrammine $cis-[Pt(GlH)_2(NH_3)_2]Cl_2$ under ABSTRACT: the action of HCl has not yet been investigated (GIH = glycocoll, G1 = glycocoll ion). The authors prepared ois-[Pt(G1H)2(NH3)2]C12 (already described by A. A. Grinberg and B. V. Ptitsyn (Ref 3)) from cis-[PtGl2]. The first-mentioned compound was cleft with HCl. This reaction proceeds as follows:

(cis) (trans) yield: about 41%

Card 1/2

yield: about 59%

New Data on the Complex Compounds of Bivalent Platinum SOV/78-5-1-7/45 With Glycocoll

Titration of the resulting trans-[Pt(GlH)NH3Cl2] with KOH yielded the soluble salt K[PtGlNH3Cl2]. If the solution of this salt is allowed to stand for 24 hours, the nonelectrolyte PtGlNH3Cl is precipitated which has the cyclic structure

Pt CH2. A comparison of the Pt(II) complexes investigated C1 ... NH2

earlier with α -aminobutyric acid and \mathcal{E} -aminocaproic acid shows that Pt and amino acid can be more easily separated in the case of α -amino acids than in the case of \mathcal{E} -amino acids. There are 14 references, 12 of which are Soviet.

ASSOCIATION:

Dnepropetrovskiy khimiko-tekhnologicheskiy institut im. F. E. Dzerzhinskogo (<u>Dnepropetrovsk Institute of Chemical</u>

Technology imeni F. E. Dzerzhinskiy

SUBMITTED:

September 1, 1958

Card 2/2

Tetraalanine complexes of bivalent platimum. Zhur.neorg.khim.
7 no.21252-257 F '62. (MIRA 15:3)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut imeni
Dzershinskogo.
(Flatinum compounds) (Alanine)

S/078/60/005/009/022/040/XX B017/B058

AUTHORS:

Volshteyn, L. M. and Volodina. I. O.

TITLE:

Complex Compounds of Bivalent Platinum With Clycocoll

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 9,

pp. 1948 - 1953

TEXT: The action of HCl on cis-[Pt(NH₂CH₂CO₂H)₂] proceeds gradually. Splitting of the glycocoll ring under the formation of [PtGl(GlH)Cl] (Gl = glycocoll radical) occurs in the first stage. This compound reacts further with HCl under the formation of [Pt(GlH)₂Cl₂]. The compound

CH2 OCO Pt C1

was synthetized with a yield of approximately 70%, Ammonia splits the

Card 1/3

Complex Compounds of Bivalent Platinum With Glycocoll

S/078/60/005/009/022/040/XX B017/B058

glycocoll ring of the compound

and a NH₃ group takes the place of the carboxyl group. The preparation of $\left[\text{PtGl}_2(\text{NH}_3)_2\right]$ is described in detail. This compound crystallizes prismatically, and is dissolved in water at 25°C up to about 1.7%. It is a non-electrolyte. It can easily be solved in acid under the formation of an electrolyte of the form $\left[\text{Pt}(\text{GlH})_2(\text{NH}_3)_2\right]^{X_2}$, and by neutralization with alcali liquors it can be retransformed into the non-electrolyte $\left[\text{PtGl}_2(\text{NH}_3)_2\right]$. An attempt to prepare pure $\left[\text{PtGl}_2(\text{NH}_3)_2\right]$ with only one split glycocoll ring failed. There are 1 figure, 1 table, and 2 Soviet references.

Card 2/3

Complex Compounds of Bivalent Platinum With Glycocoll

S/078/60/005/009/022/040/XX

B017/B058

ASSOCIATION:

Dnepropetrovskiy khimiko - tekhnologicheskiy institut im. F. E. Dzerzhinskogo

(Dnepropetrovsk Institute of Chamical Technology imeni F. E. Dzerzhinskiy)

SUBMITTED:

June 16, 1959

Card 3/3

VOLSHTETN, L.M.; VOLODINA, I.O.

New data on complexes of divalent platinum with glycocol. Zhur.
neorg.khim. 5 no.1:35-38 Ja '60. (MIRA 13:5)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut in.
F.E.Dsershinskogo.
(Platinum compounds) (Olycine)

5.2620 5/020/60/131/02/026/071 Volshteyn, L. M., Volodina, I. O. AUTHORS: B011/B005 The Cis-isomer of the Inner Complex Salt of Bivalent Platinum With TITLE: ∝-Alanine Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 2, pp 309-311 (USSR) PERIODICAL: The compound H₂PtGl₄ (GlH = glycocoll), on heating with water, is nearly quantitatively transformed into the cis-isomer of the inner ABSTRACT: complex salt (4) (Ref 3). In contrast to glycocoll, this does not apply to AnH (alanine) in which case only the trans-isomer of [Ptan2] is formed (Ref 4). Among the 3 simplest members of the homologous series of d-amino acids only the cis-isomer of the inner complex salt of AnH remained unknown. Now the authors tried its synthesis. When acid is added to the K2 PtAn4 solution, H2PtAn4 does not precipitate. This compound must, however, be present in the solution, and can be transformed into cis-[PtAn2] on heating. The cooling of the solution produced an abundant white precipitate. It was pure cis-[PtAn2] with a 30% yield. Its properties differ considerably from those of trans-[PtAn2]. The solubility of the cis-isomer in water is about 14 times higher than that of the trans-isomer. On addition of concentrated HCl to the Card 1/3

The Cis-isomer of the Inner Complex Salt of Bivalent Platinum With &-Alanine

68987 8/020/60/131/02/026/071 B011/B005

cis-isomer the original precipitate disappears at once and completely. A bright yellow solution forms. On the other hand, the trans-isomer with HCl becomes slightly yellowish but does not pass over into the solution. The cis-dichloride forms with an 80% yield. The alanine rings in the inner complex salts are ruptured by the action of HCl. Both dichlorides (trans- and cis-) are dibasic acids. The cis-dichloride is much better soluble in water than the transisomer. Both are poorly soluble in concentrated HCl. The transdichloride is better soluble in ether. Both isomers behave differently to thiourea and other reagents. Thus, both isomers [PtA2] (AH - monobasic amino acids) were obtained for all three simplest & -amino acids. The compound H2PtAn4 from which the authors have probably produced the cis-isomer was also obtained in a small quantity, and will be described later on. A. A. Grinberg and B. V. Ptitsyn are mentioned. There are 6 Soviet references.

ASSOCIATION:

Dnepropetrovskiy khimiko-tekhnologicheskiy institut im. F. E. Dzerzhinskogo (Dnepropetrovsk Institute of Chemical Technology imeni F. E. Dzerzhinskiy)

Card 2/3

The Cis-isomer of the Inner Complex Salt of Bivalent Platinum With ≪-Alanine

68987 \$/020/60/131/02/026/071 B011/B005

PRESENTED:

November 21, 1959, by A. A. Grinberg, Academician

SUBMITTED:

November 19, 1959

Card 3/3

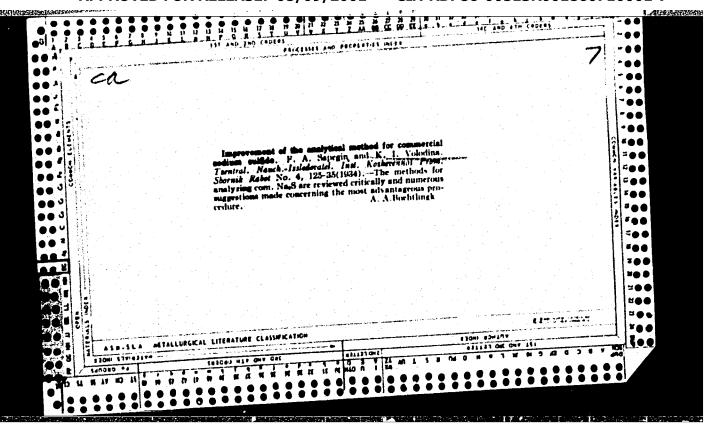
Complex compounds of divalent platinum with glycocoll. Zhur. neorg.khim. 5 no.9:1948-1953 S '60. (MIRA 13:11)
1. Pnepropetrovskiy khimiko-tekhnologicheskiy institut imeni F.E. Dzerzhinskogo. (Platinum compounds) (Glycine)

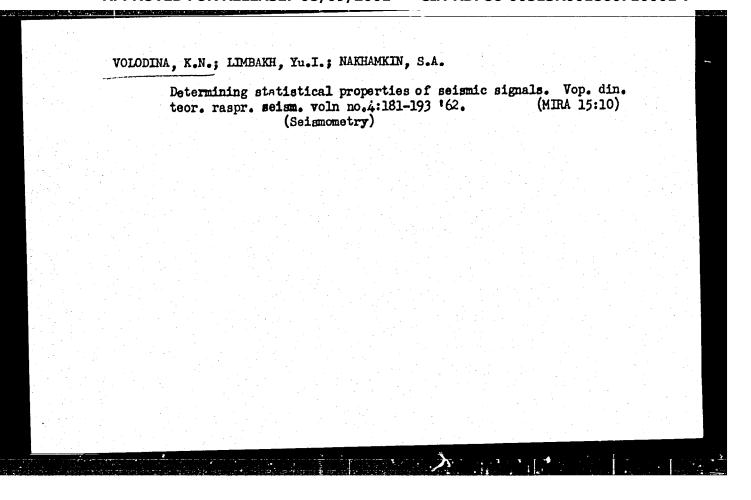
VOISHTE	YN, L.M.; VOLODINA, I.O.	
	Isomerization of inner complex salts of bivalent platinum with amino acids. Zhur.neorg.khim. 7 no.12:2685-2688 D '62. (MIRA 16:2)	
	1. Novosibirskiy gosudarstvennyy universitet i Dnepropetrovskiy. khimiko-tekhnologicheskiy institut imeni F.E.Dzershinskogo. (Platinum compounds) (Isomerisation) (Amino acids)	

ANDRIASYAN, G.K.; PETYUSHKIN, A.F.; TRUSHKIN, A.M.; VOLODINA, K.D.; TIKHONOV, A.S.

Treating patients with skin diseases with highly concentrated Matsesta baths under polyclinical conditions. Vest.derm.i ven. 35 no.1:49-52 Ja *61. (MIKA 14:3)

1. Iz kurortnoy polikliniki No.2 (glavnyy vrach L.I. Kuznetsova)
Kurortnogo upravleniya Sochi - Matsesta Ministerstva zdravookhraneniya RSFSR.
(SKIN-DISKASES) (MATSESTA-MINERAL WATERS, SULFUROUS)





VOLODINA, K.N.; LIMBAKH, Yu.I.; NAKHAMKIN, S.A.

Correlation properties of seismic vibrations. Vop. din. teor.
raspr. seism. voln no.6:185-200 '62. (MIRA 16:7)
(Seismometry)

VOLODINA, K.V.

"Loss of Moisture by Man through Pers iration During Root and During Physical Labor Under Various Microclimatic Conditions." Cand Med Sci, Kiev Order of Labor Red Banner Modical Inst imeni Bogomol'yets, A.A., Kiev, 1955. (KL, No 14, Agr 55)

SO: Sum. No. 704, 2 Nov 55 - Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (16).

። ሀፑታታል	ct of Ai	n Draha	atina	on 216		n 20 1 1 4		- has 17	: ! <i>@#</i> +				-p÷	
13110	CO OI NI	Littene	er e r i i fê	Oil I In	inter De	MULTI	201 (110)	i uy b.	uii r		in B	n ypen	. Fish	•
(
(Study Inst	y of Comi	bustion ni G. M	Proce	esses;	Colle	ction o AS	of Ai USSR)	rticle: Moscon	on W	ork I	Oone b	y the	Power	.
				:		• •••	,	1.0500			. 0001	, 1//	٠ ــــــــ	P •
													-	
					'									
											•			
		er T												

VOLODINA, L.A., aspirantka; YAVORSKIY, B.M., prof.

Optical method for evaluating the take-in of dyes by textile fabrics. Tekst. prom. 24 no.9:55-60 S '64.

(MTRA 17:11)

1. Kafedra fiziki Moskovskogo tekstil'nogo instituta (for Volodina).
2. Zaveduyushchiy kafedroy fiziki Moskovskogo tekstil'nogo instituta (for Yavorskiy).

SOV/137-59 2 2241

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 2, p 3 (USSR)

Volodina, L. A., Andreyev, V. I. **AUTHORS:**

Effect of Preheating of Air on the Process of Stabilization of a Flame TITLE:

y Bluff Bodies in an Open Flow (Vliyaniye podogreva vozdukha na

protsess stabilizatsii plameni telami plokho obtekayemov formy

otkrytom potoke)

V sb.: Issled. protsessov goreniya. Moscow, AN SSSR, 1958 PERIODICAL:

pp 36-38

The effect of preheating on the stabilization of a methane-air ABSTRACT:

flame was studied on a stainless steel burner 18 mm in diam. The air was preheated; the temperature of the mixture could be raised to 400°C. The outflow velocity of the mixture from the burner varied within the 20 - 200 m/sec range. Stainless steel cones 5.7 and 9 mm in diam and with a 700 apex angle served as flameholders. The velocity and composition of the mixture at which separation of the flame takes place were determined in the experiments. Preheating of air appreciably broadens the range of stabilization of the flame jet in re-

lation to the air-excess coefficient and the velocity of the mixture. The

Card 1/2

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710001-7

SOV/137-59-2-2241

Effect of Preheating of Air on the Process of Stabilization of a Flame (cont.)

effect of preheating is the most substantial in the range of lean mixtures. An increase in the diameter of the stabilizer at any given flow temperature broadens the range of stabilization.

G. G.

Card 2/2

11,7430

8/112/59/000/014/008/085 A052/A001

Translation from: Referativnyy zhurnal, Elektrotekhnika, 1959, No. 14, pp.18-19, # 28650

AUTHORS:

Volodina, L. A., Andreyev, V. I.

2

TITLE:

The Effect of Air Preheating on the Process of Flame Stabilization by Poorly Streamlined Bodies in the Open Flow

PERIODICAL: V sb.: Issled. protsessov goreniya, Moscow, AN SSSR, 1958, pp.36-38

TEXT: The effect of air preheating on the stabilization limits of methare-air flame was studied. The investigation was carried cut on a round burner made of stainless steel 18 mm in diameter at outflow speeds of 20-200 m/sec. The air was preheated enabling to raise the temperature of mixture at the stabilizer up to 400°C. Tapers 5, 7, and 9 mm in diameter placed on the edge of the burner were used as stabilizers. In the first series of experiments the effect of air preheating at a taper 7 mm in diameter was investigated; in the second series of experiments the effect of the size of the taper on the stabilization limits with respect to the air excess ratio and the speed of the mixture

Card 1/2

8/112/59/000/014/008/085 A052/A001

The Effect of Air Preheating on the Process of Flame Stabilization by Poorly Streamlined Bodies in the Open Flow

was investigated. For poor mixtures the effect of preheating is much more essential than for the rich ones. An increase in the diameter of a stabilizer at the same temperature of the flow leads to a widening of stabilization limits.

A. D. A.

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

VOLODINA, L.A.; KLYUCHAREV, S.V.; DMITRIYEV, S.A.; YAVORSKIY, B.M.

Spectrophotometric analysis of the selectivity of direct dyes by staple fabrics. Izv.vys. ucheb. zav.; tekh. tekst. prom. no.6:124-129 '63 (MIM 17:8)

1. Moskovskiy tekstil nyy institut, shelkootdelochmaya fabrika imeni Ya.M. Sverdlova.

VOLODEMA, L. A.; RYAZANTSEV, Yu. S.; YAVORSKIY, B. M.

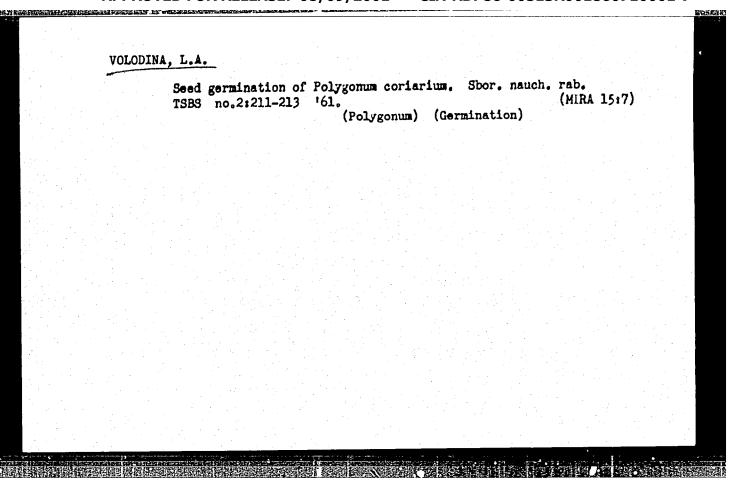
"The diffusion of straight dyes into fiber."

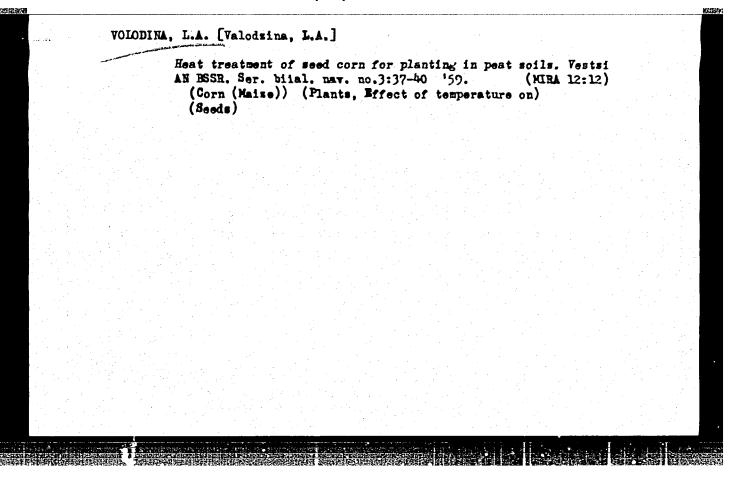
report submitted for 2nd All-Union Conf on East & Mass Transfer, Minsk, 4-12 May 1964.

Moscow Textile Inst.

VOLODINA, L.A.; YAVORSKIY, B.M.

Determining dye concentration on dyed fabrics by the reflection spectrum. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.4:97-104 (164. (164. 17:12)





ACC NR. AP7005520 (A) SOURCE CODE: UR/0342/66/000/011/0072/0072 AUTHOR: Volodina, L. A. (Docent); Gaydukov, V. I. (Aspirant); Yavorskiy, B. M. (Professor) ORG: [Volodina; Gaydukov] MTI TITLE: Applying neutral light filters to improve precise measurement of reflection coefficients for dyed fabrics SOURCE: Tekstil'naya promyshlennost', no. 11, 1966, 72 TOPIC TAGS: Vreflection coefficient, transmission coefficient, glass optic property, spectrophotometer, to the, optic filter /5:-/>
spectrophotometer, to the, optic filter /5:-/>
spectrophotometer, NS-6 filter, NS-7 filter, ABSTRACT: In measuring reflection coefficients by spectrophotometer or photometer, a glass neutral filter placed in the path of the calibrating beam will increase the (T) is the transmission coefficient). The true values of the reflection coefficients in this case will be R_{λ} true R_{λ} meas R_{λ} , where R is the value of the reflection coefficients with the introduction of the light filter. Such a filter was used in an SF-10 spectrophotometer with polarized light in examining dyed fabrics, and was found to double the minimum and maximum **Card** 1/2 UDC: 677.064.535.345.6.001.5

1 t	able,	ind 1	ficients pric. A pric. A pric. A pric. A price fi figure.	ricela V	15-6, NS	to the centago	relates of NS-9.	ion of error i Orig.	dye m n det art.	olecule erminin has:	s to f g refl 3 form	iber ection	
SUB	CODE:	11,	14,20/ SUB	DATE:	Done					G = G	ji .		
				•		<i>.</i>		•	•				
	. •												
							•						
							11:	•					
					•					•			
							•			. 11			
					•								
									• •				
	•	•											
		•											
										1.			
									*	• 1			

124-58-9-10687

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 173 (USSR)

AUTHOR: Volodina, L.F.

TITLE: A Method for the Measurement of Large Deformations by Means

of Wire Resistance Strain Gages (Sposob izmereniya bol'shikh

deformatsiy datchikami provolochnogo soprotivleniya)

PERIODICAL: V kn.: Eksperim. metody issledovaniya mashin. Moscow,

Izd-vo AN SSSR, 1954, pp 70-80

ABSTRACT: Bibliographic entry

1. Materials--Deformation 2. Strain gages--Applications

Card 1/1

USCOMM-DC-55519

CIA-RDP86-00513R001860710001-7" APPROVED FOR RELEASE: 08/09/2001

4903. NIKITIN, N. N.. POLYAK, G. B. i VOLODINA, L. N. Sbornik arigneticheskikh zadach i uprazhneniy. Dlya 4-go klassa nach. shkoly. 4-ye IZD., 5 10-go rus. nukus-sanarkand, (54-57829) 511(076)

SO: Knizhnaya Letopis', Vol. 1, 1955

VOLODINA, L. N.

4901-02. NIKITIN, N. N., POLYAK, G. B. 1 VOLODINA, L. N. Sbornik arigmeticheskikh zadach i uprazhneniy. 9-ye IZD., s 10-go Rus. Alma-Ata, Kazuchpedgiz, 1955. 21sn. V per.--na pereplete avt. ne ukazany.--na kazakh. yaz. 511076)
Dlya 3-go klassa nach. shkoly. 176 s. s 111 51.000 EKZ. 1r. 25k.--(54-58256)
Dlya 4-go klassa nach. shkoly. 156 s. s Ill. 35.000 EKZ. 1r. 25k.--(54-58320)
SO: Knizhnaya Letopis'. Vol. 1, 1955

L 65101-65 SWE(m)/E	Production with the state of th			g gegenheer all the tild.
ACCESSION NR: AP50219	TE (C)/EHP(J)/T RK	And the same of th	Ç.	
	• A distribution of the second of the sec	UR/0286/65/000	/014/0024/00:24	
Almuna &		547,419,1.5.07	// V.4/ 0024/0024	
AUTHOR: Q <u>rlov</u> , N. F.	Volodina, L. N.			
TITLE: A method for a			15 202 B	
o. 172787	oducing bis-(triorganos	ilyl)-phosphinates	" <i></i>	
Olinon -	14V 48	- Friendless.	. Class 12,	
byulleten' izo	breteniy i tovarnykh zna			:
UPIC TAGS: ong.po.d.		kov, no. 14, 1965,	24	
cid	con compound, organic pl	osphorus compound		er Teregrafia ere
عديك بنواف تبعد فيبار دينيك فالمسبيك عانيك ويتبك ويتركي المناث	د به آن بهای کردی کی به کود که این در دیگری به این کردی به این به این کردی کردی به به این در این در در در در د در این در		in rane bhoshhor	านธ
CTDAOM				
mosily) phanel	Certificate introduces	A mathed c		
mosily) phanel	Certificate introduces by interacting monofunc	a method for produ	cing bis-(trior-	
inosily1)-phosphinates the presence of heat. iorganoacetoxysilanes.	Certificate introduces by interacting monofunc A wider selection of	a method for produ tional silanes with raw materials is pro-	cing bis-(trior- phosphorous aci	ď
sikact: This Author's mosily1)-phosphinates the presence of heat. iorganoacetoxysilanes.	Certificate introduces by interacting monofunc A wider selection of	a method for produ tional silanes with raw materials is pro	cing bis-(trior- phosphorous aci ovided by using	ď
inosily1)-phosphinates the presence of heat. dorganoacetoxysilanes.	Certificate introduces by interacting monofunc A wider selection of	a method for produ tional silanes with raw materials is pro	cing bis-(trior- phosphorous aci ovided by using	d.
siract: This Author's mosily1)-phosphinates the presence of heat. forganoacetoxysilanes. SOCIATION: none	Certificate introduces by interacting monofunc A wider selection of ENCL: CO	raw materials is pro	prosphorous aci	đ
siract: This Author's mosily1)-phosphinates the presence of heat. iorganoacetoxysilanes.	Selection of	raw materials is pro	cing bis-(trior- phosphorous aci ovided by using COTE: OC, G-C	d

VOLODINA, L. M. Shornik arifmeticheskikh zadach and uprazhn eniy.

dlya perbogo lkassa mach. shkol. lzd. G Ye. makhachkala, daguchpodgiz.

1954, 14ss. s ill. 21sm. 5.000 ekz. lr. 15k.

V per.- na dargin. yaz. (54-58322)

511(076)

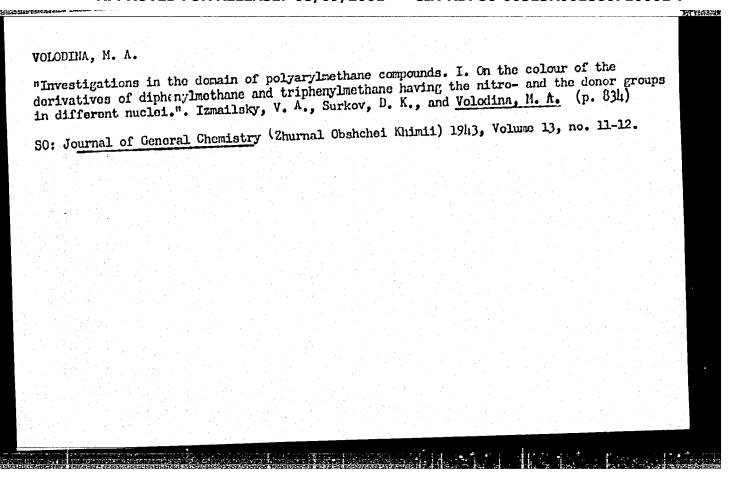
S0: Knizhajma Letopis', vol. 1, 1955

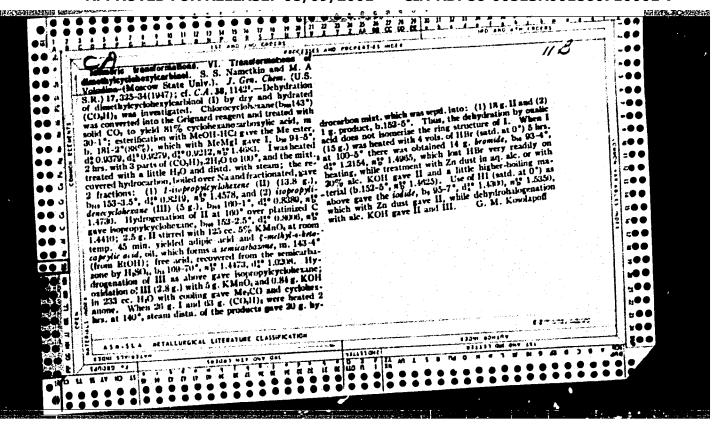
VOLODINA, L. N.

4900. NIKITIN, N. N., POLYAK, G. B., 1 VOLODINA, L. N. Sbornik arifmeticheskikh zadach i uprazhneniy. Dlya pervogo klassa nach. Shkoly. Izd. 3-ye, s 10-go (RDS.) Makhachkala, daguchpedgiz, 1955. 146s. s Ill. 21sm. 10.000 EKZ. 1r. 20k. V per.--na avar. yaz.-(54-56030) 511(076)

S0: Knizhnaya Letopis'. Vol. 1, 1955

AGC NR. AP7000742 ORLOV, N. F., VOLODINA, L. N., Leningrad Institute of the Textile and Light Tridustry S. M. Kirov (Leningradskiy institut tekstil noy i legkoy processed in the processed institute of the Textile and Light Tridustry S. M. Kirov (Leningradskiy institut tekstil noy i legkoy processed institut tekstil noy i le	8		表示的第三元的形式
ORLOV, N. F., VOLODINA, L. N., Leningrad Institute of the Textile and Light Industry S. M. Kirov (Leningradskiy institut tekstil noy i legkoy promyshlennosti) "Bis(triorganylsilyl)phosphites" Moscow, Zhurnal Obshchey Khimii, Vol 36, No 5, 1966, pp 920-923 Abstract: Two new methods were developed for synthesizing bis(triorganylsilyl) phosphites, based on the reaction of phosphorous acid with hexaelkyldiciloxanes and triorganylacetoxysilmies. 5-Bis(triorganylsilyl)-phosphites were synthe- sized; among them bis(dimethylethylsilyl) phosphite and bis(dimethylphenylsilyl) phosphite were prepared for the first time. The bis(triorganylsilyl)phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsila- nols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		L 05182-67 EWT(m)/EWP(j) RM	
Industry S. M. Kirov (Leningradskiy institut tekstil noy i legkoy promyshlennosti) "Bis(triorganylsilyl)phosphites" Moscow, Zhurnal Obshehey Khimii, Vol 36, No 5, 1966, pp 920-923 Abstract: Two new methods were developed for synthesizing bis(triorganylsilyl) phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes and triorganylacetoxysilnies. 5-Bis(triorganylsilyl)-phosphites were synthesized; among them bis(dimethylethylsilyl) phosphite and bis(dimethylphenylsilyl) phosphito were prepared for the first time. The bis(triorganylsilyl)phosphites are: colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001			
Moscow, Zhurnal Obshchey Khimii, Vol 36, No 5, 1966, pp 920-923 Abstract: Two new methods were developed for synthesizing bis(triorganylsilyl) phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes and triorganylacetoxysilanes. 5-Bis(triorganylsilyl)-phosphites were synthesized; among them bis(direthylethylsilyl) phosphite and bis(direthylphenylsilyl) phosphite were prepared for the first time. The bis(triorganylsilyl)phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexacrganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		ORLOV, N. F., VOLODINA, L. N., Leningrad Institute of the Textile and Light	
Moscow, Zhurnal Obshchey Khimii, Vol 36, No 5, 1966, pp 920-923 Abstract: Two new methods were developed for synthesizing bis(triorganylsily1) phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes and triorganylacetoxysilales. 5-Bis(triorganylsily1)-phosphites were synthesized; among them bis(dimethylethylsily1) phosphite and bis(dimethylethylsily1) phosphite were prepared for the first time. The bis(triorganylsily1) phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilal nole. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001	_	Industry S. M. Kirov (Leningradskiy institut tekstil'noy i legkoy promyshlennosti)	
Abstract: Two new methods were developed for synthesizing bis(triorganylsilyl) phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes and triorganylacetoxysilmies. 5-Bis(triorganylsilyl)-phosphites were synthesized; among them bis(dimethylethylsilyl) phosphite and bis(dimethylphenylsilyl) phosphite were prepared for the first time. The bis(triorganylsilyl) phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001	.!	"Bis(triorganylsilyl)phosphites"	
phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes and triorganylacetoxysilores. 5-Bis(triorganylsilyl)-phosphites were synthesized; among them bis(dimethylethylsilyl) phosphite and bis(dimethylethylsilyl) phosphite were prepared for the first time. The bis(triorganylsilyl)phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaogranyldistloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		Moscow, Zhurnal Obshehey Khimii, Vol 36, No 5, 1966, pp 920-923	
phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes and triorganylacetoxysilores. 5-Bis(triorganylsilyl)-phosphites were synthesized; among them bis(dimethylethylsilyl) phosphite and bis(dimethylethylsilyl) phosphite were prepared for the first time. The bis(triorganylsilyl)phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		Abstract: Two new methods were developed for synthesizing bis(triorganylsilyl)	
sized; among them bis(dimethylethylsilyl) phosphite and bis(dimethylphenylsilyl) phosphite were prepared for the first time. The bis(triorganylsilyl) phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TACS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001	2.5	phosphites, based on the reaction of phosphorous acid with hexaalkyldisiloxanes	
phosphite were prepared for the first time. The bis(triorganylsily)phosphites are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		and triorganylacetoxysila ies. 5-Bis(triorganylsilyl)-phosphites were synthe-	
are colorless liquids with a weak silanol odor, stable in dry air and readily hydrolyzed by water to form the original phosphorous acid and triorganylsilanols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		sized; among them bis(direthylethylsilyl) phosphite and bis(direthylphenylsilyl) phosphite	
hydrolyzed by water to form the original phosphorous acid and triorganylsila- nols. The latter are usually dehydrated to form hexaorganyldistioxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		phosphite were prepared for the lirst time. The district gamy sir and readily	
nols. The latter are usually dehydrated to form hexaorganyldisiloxanes. Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		hwimivzed by water to form the original phosphorous acid and triorganylsila-	- 1
Orig. art. has: 2 formulas and 1 table. [JPRS: 37,023] TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001		nols. The latter are usually dehydrated to form hexaorganyldistioxanes.	
TOPIC TAGS: siloxane, organic phosphorus compound SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REP: 007 / OTH REP: 001			
SUB CODE: 07 / SUBM DATE: 21Apr65 / ORIG REF: 007 / OTH REF: 001	ě		
	140) 140)	TOPIC TAGS: siloxane, organic phosphorus compound	
	10.7	SUB CODE: 07 / SUBM DATE: 21An=65 / OPIC PEP: 007 / OTH PEP: 001	
Card 1/1, vmb. unc: 546.287 4 547.26.118	,	and the property of the proper	
Card 1/1, vmb. unc: 546.287 4 547.26.118			
Card 1/1, ymb. unc: 546.287 4 547.26.118			<u>-</u> -
Card 1/1, ymb. unc: 546.287 4 547.26.118			
0923 1912	t,	Card 1/1, ymb. UDC: 546.287 4 547.26.118	
		0923 1912	





VOLODINA, M. A.

USSR/Chemistry - Carbinol, Dimethylcyclohexl-Chemistry - Oxalic acid Feb 1947

"Investigations in the Field of Isomeric Transforations: VI, Some Transformations of Dimethylcyclohexylcarbinol," S. S. Nametkin, M. A. Volodina, 10 pp

"Zhur Obshch Khim" Vol XVII, No 2

Study of the dehydration of dimethylcyclohexylcarbinol under the influence of hydrous and anhydrous oxalic acid.

PA 15T50

VOLODINA, M. A.,

USSR/Chemistry - Dehydration Menthol Nov 48

"Studies in the Field of Isomeric Conversions: VII, Dehydration of Diphenylcyclopentyl-carbionl and Dephenylcyclohexylcarbinol," S. S. Nametkin, M. A. Volodina, Chem Lab, Moscow State U, 4 pp

"Zhur Obshch Khim" Vol XVIII, No 11

Dehydration of diphenylcyclopentylcarbinol and diphenylcyclohexylcarbinol under the influence of oxalic acid gave diphenylcycloamylidenemethane and diphenylcyclohexyldenemethane, i.e., without isomerization of the rings. Submitted 19 Jan 48.

PA 67/49T15

VOLODINA, M. A.

S.S. Nemetkin and M.A. Volodina. Investigations in the region of isomeric transformations. VII. On dehydration of diphenyl-cyclo-pentyl-cerbinol and diphenyl-cyclo-heryl-cerbinol. p. 2033.

The dehydration of diphenyl-cyclo-pentyl-carbinol and diphenyl-cyclo-hexyl-carbinol under the influence of oxalic acid proceeds analogous to the dehydration of diphenyl-cyclo-butyl-carbinol with formation of the normal reaction products, diphenyl-cyclo-pentyl-idene-methane and diphenyl-cyclo-hexylidene-methane, that is, without the isomerization of the cycle.

The Chemical Laboratory of the Moscow State University.
January 19, 1948

SO: Journal of General Chemistry (USSR) 28, (80) No. 11, 1948

VOLODINA, M. A.

176719

USSR/Chemistry - Issuerization

Feb 51

"Research in the Field of Isomeric Conversions. VIII' Conversion of Dimethyl-Cyclopentyl-Carbinol," S. S. Nametkin, M. A. Volodina, Chem Lab, Moscow State U

"Zhur Obsheh Khim" Vol XXI, No 2, pp 331-339

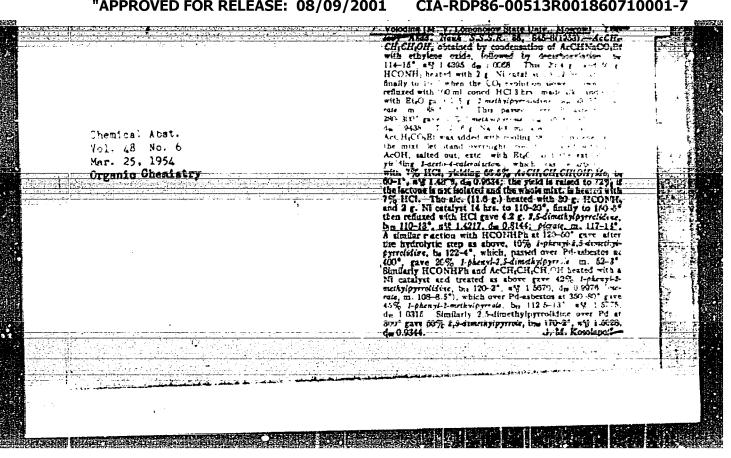
Dehydration of dimethyl-cyclopentyl-carbinol with oxalic acid yielded: l-isopropyl-cyclopentent-1, 1,2-dimethyl-cyclohexene-1, and isopropylidene-cyclopentanel. Action of fuming iBr on above carbinol yield stable 1,1-dimethyl-2-bromo-cyclohexane and unstable dimethyl-cyclopentyl-bromomethane. Latter decomposed into HBr, isopropylidene-cyclopentane, and l-isopropyl-cyclopentene-1. Submitted 5 Dec 48.

PA 176719

- 1. TERENT'EV, A. P., VCLODINA, M. A., PANTELEIMONOV, L. A., STECHKINA, I. N.
- 2. USSR (600)
- 4. Chemistry Study and Teaching
- 7. Results of entrance examinations in chemistry, Khim. v. shkole, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953, Unclassified

CIA-RDP86-00513R001860710001-7 "APPROVED FOR RELEASE: 08/09/2001



20-5-33/60 TERENT YEV, A.P., corresponding member of the **AUTHOR** Academy, VOLODINA M.A., PODLESOVA, N.L., and . GOLUBEVA, N. Ye. The Synthesis of Fyrrholes, Pyrrholines and Pyrrholidines TITLE from & -ketoalcohols. (Sintez pirrolov, pirrolinov i pirrolidinov iz /-ketoalkogoley .- Russian) Doklady Akademii Nauk SSSR 1957, Vol 114 Nr 5, pp 1036-1039 PERIODICAL (U.SKS.R.) In a previous paper the authors showed that the hydro-amination reaction of & -ketoalcohols by formamide or by its N-substituents leads to the formation of a nitro-ABSTRACT geneous heterocycle. Pyrzholidine bases were obtained as reaction products. With regard to the formation of a 5-membered nitrogeneous heterocycle from /-ketoalcohols (I,II) one can also imagine that water is separated from 5-membered nitrogeneous heterocycle from the alcohol- and ammonia- (or amine-) molecule over a dehydrating catalyst. The product of such a conversion must be a corresponding Δ -pyrrholine (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 Pyrrholes, Pyrrholines and Pyrrholidines from /-ketoalcohols.

/-ketoalcohols and the dehydrating catalysts, in order to find a way of synthesis of the comparatively little investigated and not easily accessible \(\triangle ^2 - pyrrholines. \) as well as of their dehydrogenation products of pyrcholes. They have hitherto not been described. As Objects of the investigation served { acetopropy-(I) and secondary { -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/Al202) resulted in the formation of α-methyl pgrrholidine (V), a-methylpyrrhole (VI) with a 10-20% yield and a small amount of α -Methyl- Δ^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 Zelinskiy yielding V and VI. The formation of a-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 α -methyl 2-pyrrholine represents the chief product (45 %);

CARD 2/4

20-5-33/60

TO DESIGNATE THE PARTY OF THE P

The Synthesis of Pyrrholes, Pyrrholines and Pyrrholidines from y-ketoalcohols.

a-methylpyrrhole develops under these conditions in very small amounts. Thus aluminum exyde exerts practically no influence upon the dehydregenation of IV in this case. The most favourable conditions for the formation of α methyl- A pyrrholing from %-acetoprophylalcohol are thus given at 370-320°C, using the %-oxide of aluminum as a catalyst. After satisfactory conditions for the synthesis of the above mentioned pyrrholene had been found, the authors decided to use the /-ketoalcohols (I,II) in a synthesis of the interesting and little investigated compounds of Δ^2 -pyrrheline bases. Some homologues of these substances are known as photosensibilators. The authors succeeded in demonstrating that a formation of Δ^2 -pyrrheline bases with a yield of 25-55 % takes place, when ketoalcehols (I and II) are passed through in an ammonia or amine stream; or in a Misture with an arematic amine, ever aluminumoxide at 316-320°C. At lewer temperatures (280-290 C) they contain a considerable admixture of corresponding 4,5-

CAND 3/4

20-5-33/60

The Synthesis of Pyrrholes, Pyrrholines and Pyrrholidines from / -ketoalcohole.

dihydre furans (III). The study of the reaction mechanism is no direct object of this paper and has to be further invertigated. A detailed elaboration of reaction conditions (other dehydrating catalysts, activation of aluminumoxyde) will make it possible to increase the yield of pyrrholine bases to some extent. The thus obtained \$\triangle 2-pyrrholines readily form haloidalkylates. The position of double bonds cannot yet be considered as firmly established, but these compounds most probably represent △ 2pyrrholines. (2 Tables, 7 Slavic references)

ASSOCIATION:

"M.V. LONONOSOV" Moscov State University.

PRESENTED BY:

(Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova)

SUBMITTED:

12.2.57

AVAILABLE:

Library of Congress.

CARD 4/4

VOLODINA, M.A.; EUDRYASHOVA, V.A.; TERESTIYEV, A.P.

Synthesis of pyrrolidines, pyrrolines, and pyrroles. Part 13:
synthesis of pyrrolline derivatives based on p-chlorovinyl
aldehydes. Zhur. ob. khim. 34 no.9:3130-3131 S'64.

(MIRA 17:11)

ARTEMOV, D.M.; HUDENKO, P.A.; BOYARIN., B.YA.; KURTSEV., V.V.; YOLODINA.

M.A.; KRIVOYATA, V.I.; KOROLEV., I.V.; BUDNIKOVA, Z.M.; KETALINIKOVA,
A.I.; AFAMAS'YEV, S.P., red.: JUDKOVA, V., red.; IKKOVIST., Is.,
tekhn. red.

[Boonomy of Moscow Province; a statistical mammal] Marodnoe khoziaistvo Moskovskoi oblasti; statisticheskii sbornik. [Moskva]
Mosk. rabochii, 1958. 270 p.

1. Moscow (Province). Oblastacye statisticheskoye upravleniye.
2. Machal'nik Moskovskogo oblastacye statisticheskogo upravleniya
(for Afanas'yev).

(Moscow Province—Economic conditions—Statistics)

CONTRACTOR OF THE PROPERTY OF

VOLODINA M.A.

AUTHORS: Terent'yev, A. P., Volodina, M. A., 79-1-46/63

Mishina, V. G. TITLE: The Synthesis of Pyrrolidine Bases From Y-Ketoalcohols

(Sintez pirrolidinovykh osnovaniy iz Y-ketoalkogoley)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 1, pp. 223-226(USSR)

ABSTRACT: The authors earlier showed that on heating of γ -acetopropyl and secondary Y-acetobutyl alcohol with formanide and N--phenylformamide in the presence of a nickel catalyst an amination and reduction of the carbonyl group takes place, where the closing of the cycle takes place at the expense of the NH2- and OH-group (both in position 1, 4). The reaction products were the corresponding pyrrolidine bases: Y-methyl-pyrrolidine, 2,5-dimethylpyrrolidine, N-phenyl-2-methylpyrrolidine and N-phenyl-2,5-dimethylpyrrolidine. In the present report these syntheses are more exactly described and their applicability is shown. By further investigating the hydro-

amination reaction of \ -acetopropyl and secondary \ -aceto-Card 1/2 butyl alcohol the authors used various N-substituted formami-

- Party Service Velegation Terrority Services

79-1-46/63

The Synthesis of Pyrrolidine Bases From Y-Ketoalcohols

des (N-methylformamides, N-ethyl-, N-p-tolyl, N-o-tolyl, N-p-anisyl-, N-o-anisylformamide). In all cases the corresponding pyrrolidine bases (formulae (I) to (XII)) resulted. The N-substituted formamides were produced by mixing amines with formic acid. The nickel catalyst in all cases lowered the reaction temperature, but remained without an essential influence upon the yield of pyrrolidine bases (20-50%). In comparison with an earlier datum the yield of 7-methylpyrrolidine could be increased to 30 %. In all cases the hydroamination of secondary X-acetobutyl alcohol gives a smaller yield of pyrrolidine bases (at maximum 30 %). The last fact gives rise to the thought that the presence of the substituents in position 2,5 on the one hand disturbs the closing of the cycle, but on the other hand also makes it unstable under the reaction conditions. This assumption was supported by some investigations of Yu. R. Yur'ev. There are 7 references 4 of which are Slavic.

SUBMITTED:

ASSOCIATION: Moscow State University

(Moskovskiy gosudarstvenny universitet)

December 30, 1956

AVAILABLE: Library of Congress Card 2/2

1. Chemistry 2. Prolines 3. Hydrolysis

AUTHORS:

Terent'yev, A. P., Volodina, M. A., Mishina, V. G. SOY/79-28-6-17/63

THE RESERVE THE PROPERTY OF TH

TITLE:

Synthesis and Properties of Pyrrolidine Bases (Sintez i. svoystva pirrolidinovykh osnovaniy) IV. 2-Methyl-N-β-Aminoethylpyrrolidine and Some of Its Conversions (IV. 2-Metil--N-β-amincetilpirrolidin i nekotoryye yego prevrashcheniya)

PERIODICAL:

Zhurnal obshchey khimii, 1958, Vol. 28, Nr 6, pp. 1516-1520

ABSTRACT:

In earlier publications (Refs 1 - 3) the authors showed that 7-ketoalcohols can serve as accessible initial material for pyrrolidine and pyrroline bases especially since some of the compounds obtained show physiologic activity. This caused the authors to investigate the synthesis of 2-methyl-N-β--aminoethylpyrrolidine as well as its properties. On the action of \(\gamma = \text{acetopropylalcohol} \) (I) on N, N'-ethylene formamide besides 2,2-dimethyl-N-N'-dipyrrolidine-ethane (III) the 2-methyl-N-β-amincethylpyrrolidine (II) (60 % yield) was obtained. It shows a high physiologic activity (see scheme 1). The conversion of compound (II) with furfurale yielded 2-

Card 1/3

MANUFACTORISM MICH ADMINISTRATION OF THE PARTY OF THE PAR

Synthesis and Properties of Pyrrolidine Bases. IV. 2-Kethyl-N- β -Aminc-ethylpyrrolidine and Some of Its Conversions

-methyl-N-β-furfurylideneaminoethylpyrrolidine (IV) which by reduction with magnesium in methylalcohol was converted to compound (V). This product by a treatment with benzyl-chloride and 2-methyl-β-chloroethylpyrrolidine lead to the following tertiary amines: N-2-furfuryl-N-benzyl-β-(2-methyl-pyrrolidyl-1)-ethylamine (VI) and N-2-furfuryl-N-(2-methyl-pyrrolidyl-1-ethyl)-β-(2-methylpyrrolidyl-1)ethylamine (VII). On the action of phenyl isocyanate on (V) the N-phenyl-N'-2-(2-methyl-N-pyrrolidyl)-ethyl-N'-furfurylthicurea (XII) was obtained. The conversion of ethylene- and propylene oxide on (II) supplied amino alcohols (VIII) and (IX) which again were converted to their corresponding β-chloroalkylamines (X) and (XI). All conversions carried out are mentioned in scheme 2. There are 8 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: Card 2/3

April 6, 1957

CIA-RDP86-00513R001860710001-7

THE RESIDENCE OF THE PROPERTY OF THE PROPERTY

Synthesis and Properties of Pyrolidine Bases. IV. 2-Methyl-N-β-Amino-ethylpyrrolidine and Some of Its Conversions

1. Cyclic compounds--Synthesis

Card 3/3

5(3) AUTHORS:

Terent'yev, A. P., Rode, V. V., Volodina, M. A.

TITLE:

The Dithiocarbamates of Certain Nitrogenous Heterocyclic Compounds (Ditiokarbamaty nekotorykh azotsoderzhashchikh geterotsiklicheskikh soyedineniy). Intracomplex Copper Dithiocarbamates (Vnutrikompleksnyye mednyye ditiokarbamaty)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Khimiya i khimicheskaya tekhnologiya, 1959, Kr 1, pp 129 - 153 (USSR)

ABSTRACT:

The problem of the structure of the dithiocarbamates is still in dispute. The authors synthesized and investigated several dithiocarbamates of the homologues of pyrrolidine, piperidine, and their derivatives, as well as of the products of their dehydration. Sodium salts are formed only if the nitrogenous heterocyclic compound is saturated. Copper salts, however, were obtained from all of the compounds investigated. The spectra of all the copper compounds produced, as well as the spectra of certain sodium compounds were photographed. In the sodium compounds, both spectrum and numerous properties point to an ion structure. The resulting sodium salts of the

Card 1/4

The Dithiocarbamates of Certain Mitrogenous Heterocyclic SCV/156-53-1-33/54 Compounds. Intracomplex Copper Dithiocarbamates

dithiocarbamic acid of saturated heterocyclic comjounds are white crystalline substances that solve well in water and alcohol, but are insoluble in organic solvents such as ether, benzene, chloroform, carbon tetrachloride, and ethyl acetate. Sodium dithiocarbamates were obtained from : 2-methyl-pyrrolidine, 2,5-dimethyl-pyrrolidine, 2,2-pentamethylene-pyrrolidine, piperidine, 3,3-dimethy1-2 is opropyl-piperidine, 3,4-diphenyl-piperidine. (The spect of absorption maxime, decomposition temperatures, and yields are presented in tables and diagrams). All of the copper compounds are waterinsoluble, difficultly soluble in alcohol, but solve well in the above-mentioned organic solvents. They are blackishbrown, as are their solutions in the organic solvents, the solutions being occasionally even more intensively colored. The copper dithiocarbamates show good stability. They were not affected by acetic or hydrochloric acids. Nitric acid decomposes them after prolonged standing or on heating. The spectra of the copper compounds show certain governing rules according to the individual ring substituents. The double bonds in the nitrogenous heterocyclic ring are also spectrally

Card 2/4

THE PERSON OF THE PERSON PROPERTY OF THE PERSON OF THE PER

The Dithiocarbamates of Certain Mitrogenous Heterocyclic SSV/156-59-1-33/54 Compounds. Intracomplex Copper Dithiocarbamates

characterized. Copper dithio-carbamates were obtained from: 2-methyl-pyrrolidine, 2,5-dimethyl-pyrrolidine, 2,2-pentamethylene-pyrrolidine, piperidine, 3,3-dimethyl-2-isopropyl-piperidine, 3,4-diphenyl-piperidine, 2-methyl-\$\Delta^2\$-pyrroline, 2,5-dimethyl-\$\Delta^2\$-pyrroline, 2,3,5-trimethyl-\$\Delta^2\$-pyrroline, 3,3-dimethyl-2-isopropyl-\$\Delta^4\$-pyrroline, pyrrole, 2-methyl-pyrrole, 2,4-dimethyl-pyrrole, 2,4-dimethyl-3,5-dicarbethoxy-pyrrole. (Absorption maxima, decomposition temperatures, copper content, and yields are presented in tables and diagrams). As the spectral absorption maxima are situated at 420 - 440 mp, one will have to conclude to an intracomplex structure. There are 2 figures, 2 tables, and 20 references, 4 of which are Soviet.

Card 3/4

The Dithiocarbamates of Certain Nitrogenous Reterocyclic SUV/156-59-1-53/54 Compounds. Intracomplex Copper Dithiocarbamates

ASSOCIATION: Kafedra organicheskoy khimii Moskovskogo gosudurstvannogo

universiteta im. M. V. Lomonosova (Chair of Organic

Chemistry of Moscow State University imeni M. V. Lomonosov)

SUBMITTED:

June 16, 1958

Card 4/4

AUTHORS: Terent'yev, A. P., Volodina, M. A., Vasina, L. G.

TITLE: Synthesis and Properties of Pyrrolidine Bases (Sintez i

svoystva pirrolidinovykh osnovaniy). V. Ethyl Ether of 5-Methyl

Prolinol and Its N-Substituted Homologs (V. Etilovyy erir

5-metilprolinola i yego N-zameshchennyye gomologi)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 1, pp 314-317 (USSR)

ABSTRACT: The authors continued their investigations (Refs 1,2) and

hydroaminated α -ethoxy-methyl- γ -acetopropyl alcohol (I) in order to obtain the synthesis of the derivatives of 5-methyl prolinol and its N-substituted homologs as some of them are of considerable physiological activity (Ref 5). This paper

describes the synthesis of ethyl ether of 5-methyl propinol and its N-substituted homologs (II) carried out by hydroamination of α-ethoxy-methyl-γ-acetopropyl alcohol with formanide and its N-substituted products (Scheme 1). Compound (I) was ob-

tained according to scheme 2. Compound (III) was synthesized from epichlorohydrin in the presence of anhydrous SnCl, or

Card 1/3 BF3.0(C2H5)2. Lactone (V) was decarboxylated according to

SOV/79-29-1-66/74 Synthesis and Properties of Pyrrolidine Bases. V. Ethyl Ether of 5-Methyl Prolinol and Its N-Substituted Homologs

Vanderwerf (Ref 6) with diluted hydrochloric acid. In connection with the hydroamination of γ-keto alcohol either the formyl derivative of the amine was used or the amine together with formic acid. The addition of a nickel catalyst does not increase the yield, permits, however, a considerable reduction of the reaction temperature. The presence of two asymmetrical centers in the sinthesized pyrrolidine bases rendered the separation of the individual products more difficult. In most cases the picrat s and picrolonates of pyrrolidines were separated only as not crystallizable oils. Thus, the ethyl ethers of 5-methyl prolinol (IIa), 1,5-dimethyl prolinol (IIb), 1-ethyl-5-methyl prolinol (IIv), and 1-butyl-5 methyl prolinol (IIg) were synthesized in a yield of 40 - 50%. Contrary to expectations, the molecular refraction of the pyrrolidines obtained is smaller than that theoretically calculated. There are 8 references, 5 of which are Soviet.

ASSOCIATION: Card 2/3 Moskovskiy gosudarstvennyy universitet (Moscow State University)

SOV/79-29-2-28/71

Terent'yev, A. P., Volodina, M. A., Mishina, 7. G. AUTHORS:

Synthesis and Properties of Pyrrolidine Bases (Sintez i TITLE:

svoystva pirrolidinovykh osnovaniy). VI. 2-Methyl-N- ω -aminohexyl Pyrrolidine and Some of Its Transformations (VI. 2-Ketil-N-W-aminogokoilpirrolidin i nekotoryye yego prevrashcheniya)

PERIODICAL: Zhurnal obshchey khimii, 1959, Vol 29, Nr 2, pp 494-497 (USSR)

In continuation of their investigations (Ref 1) the authors ABSTRACT: carried out the analogous reaction of y-acetopropyl alcohol with hexamethylene diamine. The present paper describes the synthesis of 2-methyl-N-w-aminohexyl pyrrolidine and some of

its transformations. Unlike 2-methyl-N-β-aminoethyl pyrrolidine, 2-methyl-2- ω -aminohexyl pyrrolidine was synthesized heating the mixture of \gamma-acetopropyl alcohol, hexamethylene diamine and formic acid, and not by reaction of y-acetopropyl alcohol with preliminarily prepared formyl derivative of hexamethylene diamine. Besides the chief reaction product (II),

2-methyl-N-ω-aminohexyl pyrrolidine (70% yield), also the compound (III) (25%) was formed (Scheme 1). Investigations of

some derivatives of the pyrrolidine bases obtained (II, III) Card 1/2

CIA-RDP86-00513R001860710001-7"

APPROVED FOR RELEASE: 08/09/2001

SOV/79-29-2-28/71
Synthesis and Properties of Pyrrolidine Bases. VI. 2-Methyl-N-G-amino-hexyl Pyrrolidine and Some of Its Transformations

pointed to a remarkable physiological activity. For this reason, some transformations of 2-methyl-N-\Omega-aminohexyl-pyrrolidine (II) were carried out, i.e. the compounds (IV-XIII) were synthesized. Scheme 2 served as an illustration of all the transformations specified. There are 5 references, 2 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: December 20, 1957

Card 2/2

507/79-29-7-44/83 Terent'yev, A. P., Volodina, Manhaman

Mishina, V. G., Komissarov, I. V.

TITLE:

Synthesis and Properties of Pyrrolidine Bases (Sintez i svoystva pirrolidinovykh osnovaniy). VII. Some Esters of 2-Methyl-N-β-oxyethylpyrrolidine (VII. Nekotoryye slozhnyye

efiry 2-metil-N-β-oksietilpirrolidina)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 2' Nr 7, pp 2307 - 2310

(USSR)

ABSTRACT:

The authors continued their investigation of the hydroamination of x-keto alcohols (Refs 1,2), and in the present work they investigated the reaction of y-acetopropyl alcohols (I) with ethanol amine in the presence of formic acid, using purified commercial y-acetopropyl alcohol. 2-Methyl-N-β-oxyethylpyrro-. lidine (II) was obtained as final product in a 56% yield. As well as this synthesis some reactions of compound (II) were described. (II) on treatment with thionyl chloride yielded 2-methyl-N-β-chloroethylpyrrolidine hydrochloride (III), which was converted into the free base (IV). Reaction of (IV) with a number of aromatic acids gave the corresponding esters (V),

Card 1/2

which were separated as hydrochlorides. Esters of the following

Synthesis and Properties of Pyrrolidine Bases. SOV/79-29-7-44/63 VII. Some Esters of 2-Methyl-N- β -oxyethylpyrrolidine

acids were obtained in this manner: 2-methyl-N-\$\theta\$-oxyethylpyrrolidinebenzoic acid (Va), o-nitrobenzoic acid (Vb), p-bromobenzoic acid (Vv), p-phenylacetic acid (Vg), cinnamic acid (Vd), and salicylic acid (Ve). The hydrochlorides of these esters, with the exception of (Vg), were tested pharmacologically. They had a hypotensive effect on dogs (lowering the normal arterial blood pressure by 13-45% for 5-33 min). The introduction of substituents into the o- and p-position of the benzene ring had no substantial effect on the hypotensive activity. The pharmacological properties of the esters were tested at the Chair of Pharmacology of the Minskiy meditsinskiy institut (Minsk Institute of Medicine). There are 1 table and 10 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: June 16, 1958

Card 2/2

Structure of Schiff's bases of N-arylpyrrolines. Dokl. AN SSSR 164 no.1:115-118 S'65. (MIRA 18:9)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.

2. Chlen-korrespondent AN SSSR (for Terent'yev).

VOLODINA, M.A.; KIRYUSHKINA, G.V.; TERENT'YEV, A.P.

Synthesis of cycloalkanc-2,3-pyrolidines and steric course of
Leikart's reaction. Dokl. AN SSSR 162 no.1:90-93 My '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet. 2. Chlen-korrespondent
AN SSSR (for Terent'yev).

TERENT'YEV, A.P.; VOLODINA, M.A.; KIKOT', B.S.; MISHINA, V.G.; KOMISSAROV, I.V.

Synthesis and properties of pyrrolidine bases. Part 10: Synthesis of α-amino-ω-pyrrolidyl alkanes and αω-bispyrrolidyl alkanes, derivatives of heptane, octane, nonane, decane. Zhur.ob.khim. 34 no.1:209-213 Ja 164. (MIRA 17:3)

VOLODINA, M.A.; TERENT'YEV, A.P.; KUDRYASHOVA, V.A.; MISHINA, V.G.

Syntheses based on Y-ketols. Part 22 of -(2-Chiorosthyl-β-chiorostonaldehyde and its transformations. Zhur.ob.khim. 34 no.2:473-477 F

(MIRA 17:3)

164.

VOLODINA, M.A.; TERENT'YEV, A.P.; ROSHCHUPKINA, L.G.; MISHINA, V.G.

Syntheses based on \(-\text{ketols.} \) Part 1:\(\hat{A} = \left(2 - \text{Acetoxyethy1} \right) - \frac{9}{2} - \text{chlorocron-aldehyde and its transformations.} \) Zhur.ob.khim. 34 no.2:469-473 F '64.

(MIRA 17:3)

1. Moskovskiy gosudarstvennyy universitet. (Chemistry—Study and teaching)			Che Khi	mistry knowledge level of students em. v shkole 17 no.3:24-28 My-Je '62.	University. (MIRA 15:6)			
			1.	Moskovskiy gosudarstvennyy universi (Chemistry—Study ar	itet. nd teaching)			
		•						
							•	
	•							
	· 5 . • · · · ·							
형 시간 (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1								
				스 교사 : 환경대 등급 전 - 스탈리크 (J.) 기업지 : 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1				

VOLODINA, M.A.; MISHIMA, V.G.; TERENT'MEV, A.P.; KIRYUSHKINA, G.V.

Synthesis and properties of pyrrolidines and pyrroles. Part 9:

Cyclopentamo- and cyclohexanopyrroles. Zhur.ob.khim. 32 no.6:1922
Cyclopentamo- (Gyclopentame)

(Fyrrole) (Cyclohexane) (Gyclopentame)

TERENT'IEV, A.P.; VOLODINA, M.A.; VOLOD'KIN, A.A.; MISHINA, V.G.;

KOMISSAROV, I.V.

Aminopropanediol derivatives. Part 2: Compounds of the type 1,3
[R'R" NGH2CH(OH)CH2O]2C6H4. Zhur. ob. khim. 32 no.1:174-177 Ja '62.

(Regordinol) (Amines)

(Regordinol) (Amines)

Beautiful dreams. Rabotnitsa. 40 no.6:2 of cover-2 Je '62. (MIRA 16:3) 1. Dispetcher Yedinoy energeticheskoy sistemy Yevropeyskoy chasti SSSR. (MowcowElectric power distribution)	VOLODIN	A, Mariya
QQQR		(nin 10.)
(Mowcow-Electric power distribution)		QQQD
		(Mowcow-Electric power distribution)

USSR/Ferm Animals. Small Horned Cattle

Q-3

Abs Jour : Rof Zhur - Biol., No 11, 1958, No 49985

Nuthor

: Voloding M.I.

Inst

· Vologde Dairy Institute.

The Content of "Rew" Collulose in the Diet of High-Yield Cows.

Orig Pub: Tr. Vologodsk. nolochn. in-ts, 1956, vyp. 14, 97-104

Abstract : By feeding high-wield cows according to methods worked out by the Vologde Experimental Station of Animal Husbandry, it was established that raw cellulose content (in percents of dry substance) contained in the cow rations should amount to 25-31 percent before and during the period when there is ro yield, as well as during the interlectation period. During the period of lectation this percentage should drop to 16-22 percent if the daily milk yield is above 20 kg. Such diet essures normal digoation and sufficiently high directibility of nutrient substances contained in rations. --F.M. Kezentzev

: 1/1 Card

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860710001-7"

VOLODINA, M.N.; MISHINA, V.G.; FRONINA, Ye.A.; TERENT'YEV, A.P.

Synthesis and properties of pyrrolidines and pyrroles. Fart
12: 5-Phenylcyclopentane-2,3-pyrroles and 5-phenylcyclohexane2,3-pyrroles. Zhur. ob. khim. 33 no.10:3295-3297 0 '63.

(MIRA 16:11)

1. Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova.

S/179/60/000/006/017/036 E191/E135

11.9200 **AUTHORS:**

Volodina, M.V., Dem'yanov, Yu.A., Kellin, S.S., and

Chereshneva, N.V. (Moscow)

TITLE:

Investigation of the Surface Temperature of a Wall

Beyond a Moving Shock Wave

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheslikh

nauk, Mekhanika i mashinostroyeniye, 1960, No. 6,

pp. 112-116

An analytical and experimental investigation of the TEXT: surface temperature of a wall beyond a shock wave moving at constant velocity is reported. The temperature of the gas at the wall was taken to be equal to the wall surface temperature as found from the heat balance equation (ignoring heat radiation). To find the convective heat flow, the equations of the nonstationary boundary layer of a compressible gas were solved for the case of a plate when the velocity of the flow beyond the shock wave is constant. The heat flow into the wall is found from the equation of heat conductivity. It has been shown before that the boundary layer in the region beyond the shock wave becomes Card 1/3

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860710001-7"

88523 S/179/60/000/006/017/036 E191/E135

Investigation of the Surface Temperature of a Wall Beyond a Moving Shock Wave

stationary assuming the wall temperature to be constant. to the large range of temperature variation in the boundary layer, the deviations of the viscosity from the usually assumed value inversely proportional to the density must be taken into account, as well as the change of the Prandtl number with temperature and the phenomenon of diffusion. Under the conditions discussed below, diffusion makes no significant contribution to the heat flow because the Prandtl number is near unity and the concentration gradient in the boundary layer near the wall is small. The equations of the boundary layer are formulated in non-dimensional form (following Crocco) and the boundary conditions stated. The solution by the method of successive approximations is written down. The expressions for the convective heat flow are given in terms of functions which are tabulated in the present and other papers. The increase in temperature at the instant of the passing shock wave is given (and illustrated in Figs 2 and 3) in non-dimensional form as a function Card 2/3

s/179/60/000/006/017/036 E191/E135

Investigation of the Surface Temperature of a Wall Beyond a Moving Shock Wave

of the velocity of the shock wave. A power law is assumed for the viscosity. The results are compared with those of H. Mirels (Ref.4) and shown to agree well. A film type resistance thermometer was used to measure the wall temperature (a nickel or tin dioxide film deposited on molybdenum glass). The film had a thickness measured in fractions of a micron and an initial resistance between 10 and 1000 ohms. Cathode ray oscilloscope records were taken and typical records are reproduced. Computed and measured results differ by about 10-15%. There are 6 figures, 2 tables and 6 references: 3 Soviet and

3 English.

SUBMITTED: May 26, 1960

Card 3/3

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860710001-7"

VOLODINA, N.A.; SHIDLOVSKIY, A.A.; VOSKRESENSKIY, A.A.

Heats of formation of alkali metal chlorates. Zhur. fiz. khim.
38 no.6:1703-1705 Je 164.

1. Moskovskiy institut khimicheskogo mashinostroyeniya.

ACCESSION NR: AP4041764

to a great extent on the amount of heat which is liberated in the decomposition of chlorates. Cesium chlorate was the subject of this investigation. The iodometric assay of cesium chlorate was 98.5 %. The heat of the solution of cesium chlorate in water was determined in an isothermal calorimeter. The temperature measurements were accurate to ± 0.002 C. The calorimeter was electrically calibrated and the time was measured with an accuracy of ± 0.5 %. The determined standard heat of the solution of cesium chlorate in water was $\Delta H_{208} \pm 11.8$ kcal/mole and the calculated heat of formation of crystalline CsClO₃ is -94.6 kcal/mole. The tabulation of the heats of formation of alkali metal chlorates indicates that the difference in heats of formation of salts with the same cation are not strictly constant (10.3 \pm 1.3 kcal/mole) and it slowly decreases from Na to Cs. Orig. art. has: 3 tables.

ASSOCIATION: Moskovskiy institut khimicheskogo mashinostroyeniya (Moscow Institute of Machine Building for Chemical Industry)

SUBMITTED: 25Nov63

ENCL: 00

SUB CODE: IC, TD

NO REF BOY: 006

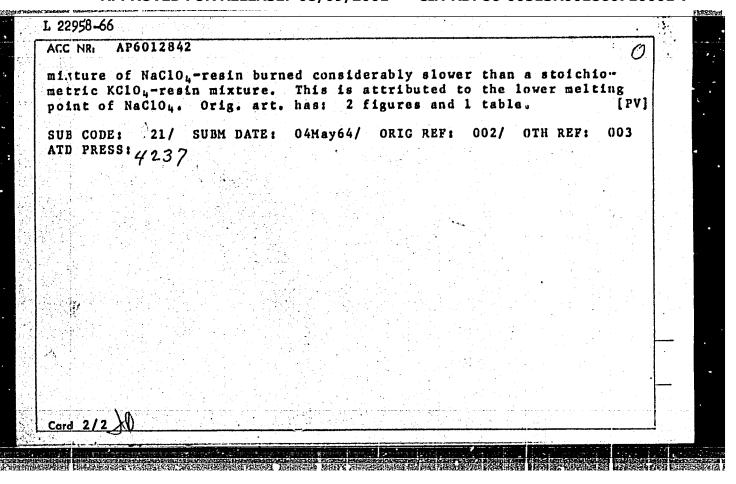
OTHER: 001

Card 2/2

"APPROVED FOR RELEASE: 08/09/2001

CIA-RDP86-00513R001860710001-7

EMP(j)/EMT(m)/ETC(m)-6/TL 22958-66 RM/WW/JWD UR/0080/66/039/004/0754/0758 ACC NR. AP6012842 SOURCE CODE: AUTHOR: Shidlovskiy, A. A.; Volodina, N. A. 66 ORG: none Study of the combustion of potassium chlorate-iditol mixtures TITLE: with catalytic additives SOURCE: Zhurnul prikladnoy khimii, v. 39, no. 4, 1966, 754-758 solid propellant, burning velocity, combustion catalyst TOPIC TAGS: AESTRACT: The burning velocities and combustion temperatures of KC104-phenol formaldehyde resin mixtures containing MnO2, KMnO4, Cr203, CoCl2.6H20, Co203, and CoO as additives were determined. burning velocitylivs, resin concentration curves showed that the burning velocity and combustion temperature are maximum at a resin concentration of 14-18%. The addition of Cr203, MnO2, and CoCl2.6H2O had the strongest catalytic effect among the additives tested. They considerably increased the burning velocity and permitted a low caloric mixture containing only 0.8-4% resin to burn at atmospheric pressure. The strongest catalytic effect was experienced when the additives were present in concentrations ranging from 3 to 5%. A stoichiometric 2 546.32'135+541.126+541.183 UDC: Card 1/2



ALEKSANDROVSKIY, B.P.; VOLODINA, N.G.; YEMCHENKO, A.A.; IZABOLINSKAYA,

R.M.; KOGOSOVA, L.S.; LOSEV, V.A.; MAYTULINA, S.P.; HIKOLATETS,

V.P.; OMEL'IANENKO, N.N.; RICHENKO, S.G.; CHERKASSKIY, L.P.;

IUSHKEVICH, M.S.; YASHCHENKO, T.T.

Basic pathophysiological peculiarity of the vital activity of
person with one lung and the functional disorders attendant on
it. Fat., klin.; terap.tub. no.8:4-11 '58. (MIRA 13:7)

1. Iz Ukrainskogo nauchno-issledovatel'skogo instituta tuberkulewa im. akad. F.G. Yanovskogo.

(IJINGS--SURGERY) (METABOLISK)

USSR/Humm and Amimal Physiology (Normal and Pathological)
Respiration.

T

Abs Jour

: Ref Zhur Biol., No 6, 1959, 26664

Author

: Volodina, N.G.

Inst

: Ukrainian Scientific Research Institute of Tuberculosis.

Title

: Peculiarities of Electrocardiographic Tracings in

Patients With Long-Established Pneumothorax.

Orig Pub

: Materialy po obmenu maucha. inform. Ukr. n.-i. in-t

tuberkuleza, 1958, vyp. 8, 175-178

Abstract

: No abstract.

Card 1/1

- 56 -

ALEKSANDROVSKIY, B.P.; VOLODINA, N.G.; GOREV, V.P.; YEMCHENKO, A.A.;
IZABOLINSKAYA, H.M.; KOGOSOVA, L.S.; LOSEV, V.A.; MAYTULINA, S.P.;
NIKOLAYETS, V.P.; OMEL'YANENKO, N.N.; RICHENKO, S.G.; CHERKASSKIY,
L.P.; YUSHKEVICH, M.S.; YASHCHENKO, T.T.

Compensation of the principal functions of the organism within 3-4 years after pneumonectomy. Probl. tub. 38 no.2:47-53 '60. (MIRA 13:11)

1. Iz Ukrainskogo nauchno-issledovatel skogo instituta tuberkuleza (dir. - kandidat meditsinskikh nauk A.S.Mamolat).

(LUNGS-SURGERY)

Poculiarities of electrocardiographic curves in patients with long-standing pneumothorax. Pat., klin.i terap.tub. no.8:175-178 '58. (MIRA 13:7)

1. Iz Ukrainskogo nauchno-issladovatel'skogo instituta tuberkuleza imeni akademika F.G. Yanovskogo. (PERUMOTHORAX) (MLECTROCARDIOGRAPHY)

VOLODINA, N.I.

ANOSOV, Pavel Petrovich, 1797-1851; VOLODINA, N.I., redaktor; BARDIN, I.P., akademik, redaktor; GUDTSOV, N.T.; akademik, redaktor; SAMARIN, A.M., redaktor; STARK, B.V., redaktor; PROKOSHKIN, D.A., doktor tekhnicheskikh nauk, redaktor; VISHNYAKOV, D.Ya., doktor tekhnicheskikh nauk, redaktor; DAVIDENKOV, V.A., doktor tekhnicheskikh nauk, redaktor; RASTEGAYEV, M.V., kandidat tekhnicheskikh nauk, redaktor; SCRCKIN, Yu.N., kandidat tekhnicheskikh nauk, redaktor; MURZIN, I.I., inshener, redaktor; ASTAF YEVA, G.A., tekhnicheskiy redaktor

[Collected works] Sobranie sochinenii. Moskva, Isd-vo Akademii nauk SSSR, 1954, 204 p. (MLRA 7:10)

1. Chlen-korrespondent AN SSSR (for Samarin, Stark) (Metallurgy)

VERESHCHAGIN, L.F., doktor fisiko-matematicheskikh nauk; ZHAVOROMKOV, N.M., redaktor; VOLODINA, N.I., reduktor; POLYAKOVA, T.V., tekhnicheskiy redaktor

[High pressure in the technology of the future] Vysokie davlenia v tekhnike budushchego Moskva, Izd-vo Akademii nauk SSSR, 1956.

35 p. (MIRA 9:3)

1. Chlen-korrespondent Ali SSSR (for Zhavoronkov)

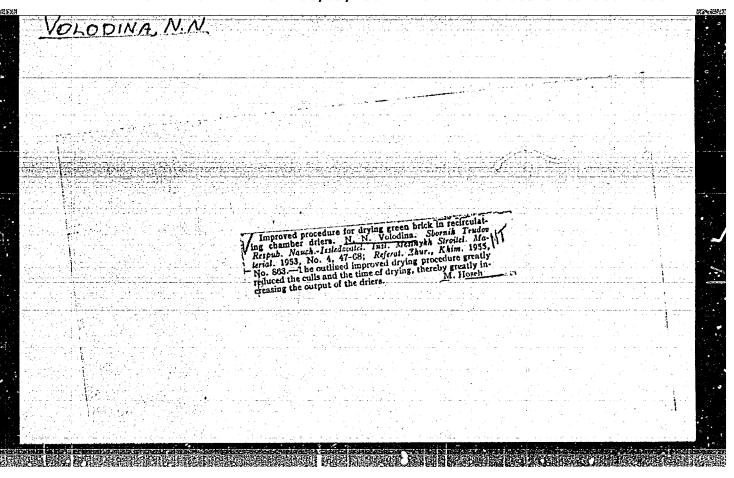
(Fressure (Physics))

KEDROV, B.; CHENTSOVA, T.[deceased] KUZNETSOV, I.V., redaktor; VOLOBINA,
M.I., redaktor; SHCHERBAKOV, A.V., tekhnicheskiy redaktor

[Brauner, an associate of Mendeleev's; on the centenary of the
birth of Bohuslay Brauner] Brauner-spodvishnik Mendeleeva; k
stoletiu so dnia rozhdeniia Boguslava Braunera. Hoskva, Isd-vo
Akademii nauk SSSR, 1955. 124 p. (MLRA 8:11)

(Brauner, Bohuslav, 1855-1935)

(Mendeleev, Dmitrii Ivanovich, 1834-1907)



VOLODINA, N.N., kand. tekhn. nauk; SOLV'YEVA, M.K., arkhitektor;
SHELUTINSKIY, A.P., inzh.

Using large ceramic blocks for apartment houses walls and roofs.
Sbor. trud. ROSNIIMS no.27:113-120 '63. (MIRA 17:1)

APPROVED FOR RELEASE: 08/09/2001 CIA-RDP86-00513R001860710001-7"

	Developing the technology of large efficient cerami blocks. Sbor.trud.ROSNIIMS no.19:51-65 461. (MIRA 16:1) (Geramics) (Building blocks)							
			(Ceramics)	Building blocks)			
					•	•		
		er in Education						
. 10 10 1								
	•			entre de la companya				

SOCHIKVKO, L.F.; VOLODINA, N.V.; POLETAYEVA, V.M.

Use of a flow oxyhemometer of the Po-Ol type in artificial circulation. Vest.khir. 87 no.11:38-40 N '61. (MIRA 15:11)

1. Iz samostoyatel'nogo konstruktorskogo tekhnologicheskogo byuro biologicheskogo i fiziologicheskogo priborostroyeniya (Leningrad). Adres avtorov: Leningrad, Savirovskaya ul., 37, "Biofispribor." (BLOOD—OXYGEN CONTENT) (BLOOD—CIRCULATION, ARTIFICIAL)

MENTSOV, V.S., starshiy prepodavatel; VOLCDINA, N.Ya.; VASIL'YEV, S.S., doktor khim. nauk, prof.

Kinetics of the gluing of shoe materials by means of high-frequency currents. Nauch. trudy MTILP no.24:69-73 '62. (MINA 16:7)

1. Kafedra fiziki Moskovskogo tekhnologicheskogo instituta legkoy promyshlennosti. (Gluing) (Induction heating)

(Shoe manufacture)